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NEW MACHINE IS SAID TO MAGNIFY ELECTRIC POWER

British Invention of "Cold Electricity" Opens Revolutionary Prospects

LIGHT WOULD COST LESS THAN WATER

Amplifying Device, It Is Claimed, Would Make Central Power Stations Unnecessary

By Wireless From The Christian Science Monitor

SAINT HELENS, Eng.—Experts of the General Electric Metropolitan Vickers and other companies are investigating the merits of what is claimed to be a remarkable discovery by William Harrison, an inventor here, who, after 17 years of research, is reported to have devised a machine which magnifies electrical power.

Thomas Wood, a Saint Helena councillor, who is the provider of the financial backing to enable Mr. Harrison to bring his invention to completion, declared to a Monitor representative that: "The machine, which has been patented but is yet unnamed, will revolutionize all methods of power production." Describing the invention which, he said, betokens a new era for light and power, Mr. Wood said: "The machine through which the current passes is encased in a plain wooden box, six inches each way. So long as we can maintain a vacuum, we can magnify the unit of generated electricity at will. One of the greatest troubles has been to get this vacuum in cylindrical form, so that it would be permanent. This has now been accomplished.

"If we said we had gained perpetual motion, you should not be believed," continued Mr. Wood. "You may call it perpetual power if you like, and yet that is perhaps inaccurate as after a time there would have to be renewals. You can say, however, that it is 99 per cent perpetual power. When we made a thorough test an electric lamp in the room denoted that we were working at half an ampere, and when our device was put into operation, six other lamps were lighted without the pointer moving, and others could have been added. Trams, motors, trains and ships could be run electrically at low cost. All they would require would be a small amount of power and the amplifier would do the rest.

"The main idea of the invention is that while it is giving off power, it also restores energy. It will mean that manufacturers will no longer be dependent on large generating stations for their power supplies and

(Continued on Page 4, Column 5)

Uncharted Falls, Eclipsing Niagara, Found in Labrador

Sir Wilfred Grenfell Says 40,000,000 H. P. Is Now Running Waste

By Wireless From The Christian Science Monitor

BIRMINGHAM, Eng.—The discovery of uncharted falls in Labrador, estimated to be as high as Niagara, was announced by Sir Wilfred Grenfell, in an address here. The famous missionary-philanthropist showed publicly for the first time a photograph of a cataract which was seen recently, he said, by one of his workers, who was unable to get close to the falls owing to the wild mountainous nature of the country and took photographs of them by means of a telescope camera. The picture thrown on the screen revealed in the far distance, at the end of a rocky gorge, several white streaks, with clouds of spray hanging far above them.

Sir Wilfred said that calculations made shortly after the photographs were taken indicated that 40,000,000 horsepower was running to waste. He thinks it highly improbable that the falls have ever been seen before by means of a telescope camera. The picture thrown on the screen revealed in the far distance, at the end of a rocky gorge, several white streaks, with clouds of spray hanging far above them.

Many changes have occurred in Labrador since Sir Wilfred was sent there 36 years ago, which have redeemed it of its reputation of being a desolate, useless region. Labrador ultimately may become a summer resort, says Sir Wilfred, for the summer climate is wonderful and some of the river scenery is enchanting. At present, however, many hidden, inaccurately charted shoals make river navigation hazardous.

One of the important economic changes in Labrador in the past year, he said, was the development of English refrigeration has made it possible, he said, for Labrador salmon to be sold in London in its fresh state as a domestic fish.

Sir Wilfred is returning to Labrador next spring in the new boat Strathcona II, built by friends in America.

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South American Aviator Visits White House



Lieut. Benjamin Mendez of the Colombian Army, who trained in the United States, and who recently began a 4600-mile flight to his native country, was received at the White House prior to his departure. He is at the left of the picture. At his left is Dr. Enrique Olaya, Minister from Colombia, by whom he was presented to the President. On the other side of Dr. Olaya is C. Puyo Delgado of Colombia.

Colombian Flier Starts First Leg of Bogota Flight

Lieutenant Mendez Takes Off From Curtiss Field for Jacksonville, Fla.

Special to The Christian Science Monitor

ROCKAWAY NAVAL AIR STATION, N. Y. — Lieut. Benjamin Mendez, American-trained chief pilot of the Colombia Air Service, who not long ago was affectionately known to airmen who came and went at Curtiss Flying Field as "Benny the gas boy," has just hopped off from the field here for Bogota, Colombia, 4600 miles away. With Lieutenant Mendez go the good wishes of every aviator, for he has been the friend of all of them for four years.

Four years ago he came to the United States to learn something about aviation. He had registered at Columbia as a flying student, but, finding progress slow there, he thought that by coming here he would speed things up. He went to M. Merrill and C. S. ("Casey") Jones at Curtiss Field and made application to qualify as an air man. They gave him the job of fueling the airplanes. This he became known as "Benny the gas boy."

But he was not going to be a gas boy always. Of the money he earned as a workman at Curtiss Field, he saved enough to pay his tuition at Curtiss Flying School. School, and finally he got his pilot's certificate of the Federation Aeronautique Internationale. Then he got a job in the factory of the Curtiss Aeroplane and Motor Corporation as a student mechanic. It was in these days that he met the famous aviator, Lieut. "Jenny" Ford, who had paid \$200 and later sold it for \$800.

His fame spread southward, even to Colombia. When the Government learned what he was doing, it commissioned him as lieutenant in the Colombia Air Service. Diplomatic influence was brought to bear and Lieutenant Mendez got an appointment to the United States Army Air Service School. He trained at Brooks and Kelly Fields, and then was transferred to Mitchell Field.

Meanwhile his fame was growing in far-away Bogota. A newspaper there, El Mundo Al Dia, started a popular subscription and \$25,000 was raised for a new airplane for Lieutenant Mendez. The Curtiss people built it and as this is written, he is flying into the south toward blue skies than those of the East—toward Colombia—the airplane Ricardo, named for the Colombian patriot.

Lieutenant Mendez expects to complete the trip in five legs of one day each. Ordinarily, it is a trip that requires five weeks. His first day's flight will take him to Jacksonville, thence he will go to Havana, then to Puerto Barrios, to Colon, to Girardot near Bogota. Here he will replace the pontoons on the Ricardo with wheels and take off for Bogota, 50 miles away.

PHILADELPHIA MAYOR CHANGES SAFETY CHIEF

PHILADELPHIA (AP) — Mayor Harry A. Mackey announces that he has accepted the resignation of Harry C. Davis, director of the Department of Public Safety, and has appointed as his successor, Lemuel B. Schofield, first assistant district attorney.

Mr. Davis's resignation was forecast when the special grand jury investigating bootlegging uncovered corruption in his department.

SEIPEL PLAN REJECTED

VIENNA (AP) — The Social Democratic Party, which holds about 70 parliamentary seats, has rejected the proposals of the Chancellor, Dr. Ignatz Seipel, for a revision of the Constitution to allow Dr. Michael Hainisch to serve a third term of four years as President of the republic.

SUBWAY ZONING DECLARED VITAL IN MODERN CITY

New England Contractors Addressed by Pioneer in Subway Construction

By Wireless From The Christian Science Monitor

While future development of vast subway systems is "absolutely essential" in the larger American cities, regional planners should awaken to the great part these underground tubes play in shaping the ends of a city—pushing back its suburbs and enormously congesting its business districts, says Frederick L. Cranford of Brooklyn, pioneer subway builder. Mr. Cranford spoke at a meeting of building contractors in Boston, at which it was agreed to form a New England branch of the Associated General Contractors of America. Such a formation, it was explained, is a step in the program to solidify all contractors in the country into one body, to promote high professional standards in building and to combat unfair practices.

Avoidance of Congestion
Subways, Mr. Cranford said, may be an agency for much good, or for harm to the city building them. The most minute and far-reaching plans must be laid, he said, to prevent the congestion of business districts along their course.

"Along four miles of a single street in New York City," Mr. Cranford explained, "the height of the average building grew from six to 12 stories, with many of 20 and even 40 stories, almost coincidently with the building of a subway along that street."

City Yields to Suburbs
"The subway may also be hailed as having stopped the growth of the Borough of Manhattan. Within the period of the subway's growth, Manhattan has lost 500,000 people. Many of these people have been able to move to less crowded districts because of the underground tubes that enable them to work on time, and enable them to reach their places of amusement at night."

Leonard C. Wason, president of the Aetherhaw Company of Boston, said that general building volume in New England is normal. Mr. Wason said that the building volume in New England is normal. Mr. Wason said that the building volume in New England is normal. Mr. Wason said that the building volume in New England is normal.

While the prices on home building have fluctuated but little from a general level for the past three years, he continued, building materials should eventually come down.

Latin America Comes Into the News

Now that Mr. Hoover has undertaken his friendly trip to the appropriate background for the news which is to come will be furnished by a series of articles by Wallace Thompson, the first of which will appear

Tomorrow

on the Editorial Page

Japan Refuses to Withdraw Men From Shantung

Discussions With China End in Deadlock—Boycott Becomes Intensified

By Wireless From The Christian Science Monitor

SHANGHAI — The renewed discussions in an effort to settle the Sino-Japanese issue, which constitutes one of the major diplomatic problems confronting the Chinese National Government, have ended in a deadlock, following a brief session between Dr. C. T. Wang, the Foreign Minister, and Schlichting Yada, Japanese Consul-General at Shanghai.

The discussions broke down on Japan's refusal to withdraw its troops from Shantung, a condition demanded by the Chinese as a prerequisite and sign of sincerity in initiating the discussions. It is felt that the negotiations will be impossible of renewal for a long time, as these discussions are accepted as absolutely final.

The breakdown complicates China's efforts to introduce tariff autonomy next January, although it is understood that T. V. Soong, the Finance Minister, declared that autonomy will be declared on Jan. 1, despite Japan's noncooperation.

An inevitable consequence of the failure to reach a point of settlement in these discussions, which have lasted intermittently for some weeks, is redoubled intensity of the anti-Japanese boycott which has already cost the Japanese tremendous trade losses in China.

Buildings Absorb Radio Waves, Official Replies to Boston Appeal

Special From Monitor Bureau

WASHINGTON—David I. Walsh (D), Senator from Massachusetts, Joseph Warner, Attorney General of Massachusetts, and John Shepard 3d, Boston, conferred with members of the Federal Radio Commission this afternoon to urge a new assignment for Station WNAC, Boston, operated by Shepard Stores, in order that it may be better heard with its present transmitter arrangement.

Mr. Warner and Mr. Shepard conferred with the commissioners individually prior to the presentation of a new plan of allocation to the body as a whole. Engineers of the Radio Commission attribute the absorption of radio waves in the case of WNAC to steel buildings which "like a huge sponge, seem to reach up and absorb radio waves of frequencies higher than 900 to 1000 kilocycles." O. H. Caldwell, commissioner, informed Senator Walsh after his visit to the commission on behalf of his constituent, who are listeners to Station WNAC.

"Let me explain," Mr. Caldwell said in his letter to Senator Walsh, "that the channel (1230 kilocycles) to which WNAC was assigned by the commission on Sept. 11, was not of the commission's voluntary choosing, but resulted from the application of the 1928 radio law, requiring the commission to redistribute the wavelengths equitably among all the states in proportion to population."

"You will recall that under the former radio arrangement, Massachusetts and other eastern states had been enjoying the use of the upper scale or longer wavelengths almost exclusively. In assigning Massachusetts' new quota of wavelengths according to population, therefore, it was necessary for the commission to spread these wavelengths across the dial, since to have assigned to Massachusetts all upper dial positions only would have meant lower dial positions for some other state or states."

"In spite of the complex problem of interlocking channels, both national and regional, the commission

39 STATES SIGN PACT FOR CURB ON WORLD FAIRS

Treaty Arranged in Paris Designed to Regulate Number of Exhibitions

By Cable From Monitor Bureau

PARIS—Under the eye of the great clock in the famous Salle d'Horloge at the Quai d'Orsay, where the peace pact was signed, another international treaty has been consummated by the representatives of 39 states. The favor this time was commercial rather than political, but the motive behind it was equally one of increasing better relations among nations.

The new treaty is designed to regulate the number of international exhibitions. Permanent bureaus have been set up also which will study the problem of limiting the mushroom growth and frequency of trade fairs and other similar exhibitions with which Europe, in particular, is beginning to become surcharged.

United States Not a Party

The United States is not a party to the exhibitions restricting treaty, but three unofficial observers were present at the debates. H. C. Maclean, commercial attaché of the American Embassy here; Richard Eldridge of the International Chamber of Commerce, and William W. Atterbury, president of the Pennsylvania Railroad. Though not a party to the treaty, the United States is bound to co-operate with the central bureau, for, by agreement, this bureau must give its assent before the governments of the signatory states will pledge themselves to support any international exhibition in any country.

The need for some such action has been taken as necessary, because diplomatic pressure often drove the governments into supporting all manner of so-called international exhibitions which could not possibly be profitable to certain states of Europe and the waste which has attended the financing of some of them will now be avoided.

All exhibitions which seek no official state support are for the moment left uncontrolled. Such short trade fairs as the annual ones of Leipzig and Lyons and the national motor shows escape dictation. Furthermore, international art exhibitions are left beyond the scope of the present treaty.

Empire Exhibitions Exempt

The British Empire Exhibitions, it was agreed, would also be exempt from the treaty. The British delegates, including Sir Edward Carson, director of the Foreign Department of Overseas Trade, and J. R. Cahill, commercial councillor of the local embassy, insisted on this. Nevertheless, the international exhibitions bureau, with headquarters at Bern or Paris, will continue to study the problem of limiting even short fairs.

The treaty stipulates that no country shall be permitted to hold an exposition entailing the construction of national buildings more than once in 15 years, and six years must elapse between such exhibitions, wherever held. Other points in the treaty are directed toward improving the character of international fairs, toward eliminating the duplication of fairs, overlapping of dates and all uneconomical expenses. The treaty also provides for the formation of an administrative council and a fairs' classification committee of 12 members.

Widow's Home Rebuilt by Farmer Neighbors

By The Associated Press

ACONTO FALLS, Wis. — "Love thy neighbor as thyself" is more than a Biblical phrase to farmers near here. They have literally exemplified it by rebuilding the burned farm home of Mrs. Ernestina Schindler, a widow with eight children.

Under a carpenter's direction, neighbors rallied to her aid immediately after the fire, and in three days more, they say, the Schindlers may move into their new home. A sum of money, to give the family a new start, has also been raised by neighbors. It will be a genuine Thanksgiving this year for the Schindlers.

ELECTORAL COLLEGE VOTE SENT BY MAIL

Day of Well-Paid Messenger Passes Under Reform

Special to The Christian Science Monitor

WASHINGTON—Herbert Hoover and Charles Curtis will be chosen President and Vice-President of the United States, under an electoral college system utilized for the first time. The electoral votes of the 48 states will be sent to Washington by registered mail instead of being brought here, as hitherto, by specially designated messengers.

An act of Congress, which went into effect last year, is responsible for the change. Its author is Representative Hattin W. Sumners of Texas, incidentally an item of political perquisite has vanished. Practically ever since the foundation of the Republic messengers bearing electoral votes have been dispatched to the District of Columbia at a remuneration of 25 cents a mile for the trip to and fro. In the case of those who had to cross a large section of the country, the post was always eagerly covered.

Sometimes the messenger was himself an elector selected by his colleagues. Often he was a party worker, who received his reward in the form of a trip to Washington. Mr. Sumners' theory, in proposing a change in the law, was that the old system was a relic of the time when such things as fast and reliable mails did not exist.

New York Man Urges Law to Aid Voters by Making All Registrations Permanent

Special to The Christian Science Monitor

BUFFALO, N. Y. — A change in the law governing registration of voters in order to make registration permanent was strongly urged by George R. Pearson (R.), State Senator of New York, before the New York League of Women Voters here.

"Permanent registration is no experiment," Mr. Pearson declared. "It is simple, convenient and economical. It has been in effect in some of our rural New York State for years. It is obvious that as long as there is a system of annual registration a large number of voters will neglect to register."

SMOKE CLOUDS OVER CITIES TO TURN INTO GOLD

Chemists Say Gas From Coke Ovens Will Be Piped to Factories for Fuel

By a Staff Correspondent

PITTSBURGH, Pa. — Smoke may be removed from modern cities and at the same time immensely valuable markets may be found for by-products of coke ovens, by means of long-distance piping of gases, as described by fuel technologists of Germany, France, Great Britain and the United States before the coal conference at the Carnegie Institute of Technology.

The new methods propose the substitution of the pipe line for the coal car in conveying light and fuel into populated areas. At present, it is explained, gas that cities might use is wasted at the coke ovens, while immensely valuable by-products that industry might use are lost in the smoke that blackens the sky and smudges the landscape. The new system would curb both inefficiencies and incidentally restore blue sky to the cities.

From Germany, Dr. Alfred Pott told how plans are being rushed to pipe billions of cubic meters of gas from coke ovens in the Ruhr direct to cities.

Freight Paid on Ashes

Jean Bing, fuel expert from France, told of gas transport by pipeline and Dr. Walter F. Rittman, Carnegie Institute of Technology, in a statement on his new method of turning fuel oil into coal, explained that natural gas is already being piped daily from Texas to Denver with more ambitious plans under way.

Finally, as an instance of what the cost of rail transportation of coal now is, F. R. Wadleigh, Consolidated Gas Company, New York, said that

(Continued on Page 2, Column 2)

Urges Naval Settlement

By Wireless From Monitor Bureau

LONDON—A committee of two, comprising Stanley Baldwin and Herbert Hoover, or Lord Balfour and Charles E. Hughes, to settle Anglo-American differences, is proposed by Lord Lee of Fareham, who was second British delegate to the Washington Conference for the Limitation of Naval Armaments (1921-1922). Speaking on Anglo-American relations at the Newswomen's Benevolent Institution, at which the United States Ambassador, Alanson B. Houghton, was also present, Lord Lee said it would be foolish to pretend that at this moment all was as well as it should be, or as it had been, between England and America.

For the time being the sky is overcast, and, so far as he could see, for no adequate reason. Throughout the recent unhappy controversy over cruisers and the so-called Anglo-French pact, he said, it must have been obvious to all the world—and that was the one redeeming feature of the whole sorry business—that the hearts and heads of the British people were sound and that the Government departments concerned were not representing either their views or their intentions. There was not, and there never would be sanctioned by their people, any pact, agreement or understanding—with the French or any other power—which could adversely affect the security or interests of the United States.

No Cause of Dispute

"There is much that is unreal, even absurd, in this naval controversy. There is no existing or likely cause of dispute between the two countries. There are no unsolved frontier questions; there are no conflicting interests except possibly in the peaceful sphere of commerce; there is no desire to seize each other's possessions anywhere and there is no part of the world where our co-operation would not be favorable to peace and in the interests of civilization."

"Why, then, all this excitement about naval parity—a principle or sentiment to which both countries have their wholehearted and emphatic approval in 1921, and which neither of us has challenged since. Indeed, to question its validity in any way would be to dishonor our signatures at Washington, my own among them, and make us bywords among the nations."

Naval Co-operation Urged

Lord Lee went on to say: "The needs of each country are entirely different and in no sense antagonistic, and the more cruisers we have between us the safer will be the seas for civilization and for all who upon lawful occasions do business in great waters. Indeed, I go farther and profoundly believe that whatever may be the relative strength of our two fleets, their units would almost certainly be found alongside each other in any future world conflict, co-operating in defense of the liberties and common ideals of the English-speaking peoples."

"Thirty years ago when the German admiral at Manila Bay steamed toward the advancing American squadron and the Spanish defender fleet, he called on Captain Chichester commanding the British cruisers and inquired, 'What will you do in the Americans open fire?' The reply came promptly: 'Only Admiral Dewey and myself know that.' That was our naval relationship. Why should it be any different today?" he added.

Committee of Two Proposed

"Parity" with America by all means—according to any intelligent and appropriate interpretation of the term. But let us discuss its application between ourselves. President Coolidge has practically invited us to do so, and while this may not be the best moment for a fresh advance by us, I trust we shall not hesitate to respond on the first auspicious occasion.

"This at any rate I firmly believe—that if this unfortunate and quite unnecessary naval controversy could be relegated to a committee of two—consisting of say Mr. Baldwin and Mr. Hughes—Lord should meet either in Washington or London (unembarrassed by pressure of naval experts) there is very little doubt an agreement would be reached—not only upon disarmament, but even upon the vexed question, 'freedom of the seas'—which would commend itself to our respective governments."

BRITISH LIBERALS TO MARK "PEACE WEEK"

By Wireless From Monitor Bureau

LONDON—The executive committee of the National Liberal Federation has decided to join with the Women's National Liberal Federation and other Liberal Party organizations in observing the second week in December as "peace week," during which meetings will be arranged throughout Britain.

It has also accepted an invitation to co-operate in the proposal that Aug. 27 each year (the anniversary of the signature of the treaty for the renunciation of war) should be set apart to commemorate the signing of the Kellogg Pact.

COUNCIL OF TWO TO SETTLE NAVY QUESTION URGED

British Statesman Proposes Conference on Differences With America

By Wireless From Monitor Bureau

LONDON—A committee of two, comprising Stanley Baldwin and Herbert Hoover, or Lord Balfour and Charles E. Hughes, to settle Anglo-American differences, is proposed by Lord Lee of Fareham, who was second British delegate to the Washington Conference for the Limitation of Naval Armaments (1921-1922). Speaking on Anglo-American relations at the Newswomen's Benevolent Institution, at which the United States Ambassador, Alanson B. Houghton, was also present, Lord Lee said it would be foolish to pretend that at this moment all was as well as it should be, or as it had been, between England and America.

Lord Lee of Fareham Seeks Short Cut to End Difficulties Raised by Technicians

For the time being the sky is overcast, and, so far as he could see, for no adequate reason. Throughout the recent unhappy controversy over cruisers and the so-called Anglo-French pact, he said, it must have been obvious to all the world—and that was the one redeeming feature of the whole sorry business—that the hearts and heads of the British people were sound and that the Government departments concerned were not representing either their views or their intentions. There was not, and there never would be sanctioned by their people, any pact, agreement or understanding—with the French or any other power—which could adversely affect the security or interests of the United States.

TAX ON POWER PROPOSED FOR NEW HAMPSHIRE

Special Legislative Commission Expected to Urge Levy on Output

Special to The Christian Science Monitor

CONCORD, N. H. — An entirely new and almost revolutionary form of taxation, a tax on electricity as generated, is now being studied by the special interim tax commission of the New Hampshire Legislature, which will probably recommend this tax, it is learned here.

If approved by the Legislature it will not only provide the State with an additional \$500,000 in revenue, but will unquestionably start one of the greatest water power struggles this country has seen.

Although the deliberations of the interim tax commission have not at any time been divulged, and its conclusions will not be made public, until Dec. 15, the fact that the probable intention of taxing electricity as generated has been communicated to the power companies is seen in the discovery that legal counsel of the companies are familiar with the plan, and, it is believed, are seriously concerned as to how the measure is to be defeated in the Legislature.

This does not mean that the power companies of the United States are concerned about New Hampshire solely, but they believe that if New Hampshire adopts this tax, so easily and inexpensively collected, the way will be paved for its country-wide adoption.

One reason why this tax is expected to have the serious consideration of the Legislature is the fact that a wholesale reduction in the general property tax is planned and some means must be devised when the Legislature reduces the tax on growing timber, to provide for an appreciable deficit in annual revenues.

The commission, consisting of nine New Hampshire industrial and agricultural life, was appointed by Gov. Huntley N. Spaulding and has held weekly meetings extending over many months. They discovered, however, that the tax on timber was so high that farmers and lumbermen were cutting off their timber in self-defense and that reforestation was practically at a standstill.

After many conferences, it is learned that the majority favor the increment tax on growing timber, which if adopted, will make it profitable to raise timber in New Hampshire, but will reduce the tax revenue from \$500,000 to \$1,000,000 annually.

To supply this deficit the tax on electric power will be recommended, and it is understood that the commission favors the imposition of a one-tenth of a mill per kilowatt hour. At this rate the revenue would amount to approximately \$500,000 yearly, and at the completion of the great power plants at fifteen-mile falls on the Connecticut River, the amount to nearly double that amount.

In order that there may be no slip in the program to be outlined by the tax commission on the grounds of unconstitutionality, the people were asked to vote in the last election for the calling of a constitutional convention. The electorate approved the convening of such a body, and whatever the action of the incoming Legislature, the convention can be convoked for any necessary changes in the Constitution of the State.

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and legislatures and to the whole English-speaking peoples. Is it not at least worth trying?"

Navy Bill to Come Up Before Pact, Senators Say

SPECIAL FROM MONITOR BUREAU
WASHINGTON—The navy bill providing for the building of 15 10,000-ton cruisers will be taken up immediately after Boulder Dam, which has the right of way, it was stated by Senate leaders.

There has been some discussion of the possibility of the Kellogg Peace Pact being brought up ahead of the navy bill, but William E. Borah (R), Senator from Idaho, said he would not oppose the early consideration of the navy bill. Apparently there is an understanding between the chairman of the Foreign Relations Committee and the chairman of the Naval Affairs Committee that they will try to keep down formidable opposition to the passage of either the anti-war treaty or the cruiser bill.

It had been hoped by the opponents of the cruiser building program that Mr. Borah would force a delay at least on it, but he blighted these hopes by saying:

"I see no reason why the treaty and naval bill should be brought into conflict in the matter of procedure. I feel that the naval bill is larger than necessary, but I do not intend to seek to delay a vote upon it, and I hope no friend of the naval bill will seek to delay a vote on the treaty."

"Each should stand upon its merits. My idea is to proceed with the treaty, as a matter of procedure the same as if no naval bill was up for consideration."

Mr. Borah expects the Kellogg treaty to be sent to Congress as soon as it convenes. It will then be referred to the Foreign Relations Committee and Mr. Kellogg will be asked to explain it in detail. No date can be set for reporting it out.

Give and Take in Europe

BY WIRELESS FROM MONITOR BUREAU

LONDON—Stanley Baldwin, the Prime Minister, addressing a meeting at Glasgow, said that in the past four years, Europe, which had been divided into two hostile camps, had become at any rate a united Europe to this extent that there was no longer any mention of allies or enemies, but an attitude bringing all countries, irrespective of the past, into closer contact, into amiable discussion of questions concerning the future. No individual, he said, had contributed more to that than Sir Austen Chamberlain.

The League of Nations had played its part in this that the statesmen of Europe had now become accustomed, in place of hurling dispatches at one another across the frontier, to meet in friendly converse. They had learned by that that other nations had a point of view which was not only worthy in itself of consideration, but which must be considered if there was to be any possibility of agreement on outstanding questions. There was today in Europe an attitude of give and take which was absent before the war.

LONGWORTH SUGGESTS EXTRA TARIFF SESSION

WASHINGTON (AP)—An extra session of Congress, beginning next fall and running into the regular December session, to handle tariff revision is suggested by Nicholas Longworth, Speaker of the House.

Mr. Longworth explained that this would give an opportunity, if there was to be tariff revision, for the new members of the House Ways and Means Committee to draft the legislation. He would have the committee work during the summer in the preparation of a bill to be taken up in the fall.

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The all silk hem, picot edge top, silk foot, and narrow heel makes the chifon weight style 4000 a truly remarkable number at

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Colors that harmonize with the ensemble the new note in hosiery. Through a connection with the eminent Paris colorist, Lucile, beautifully blended shades have been introduced especially for you.

Holeproof Hosiery

GRANGE FAVORS FEDERAL BOARD FOR MARKETING

Would Utilize Public Lands for Recreational Areas and Forestry Projects

SPECIAL FROM MONITOR BUREAU

WASHINGTON—The closing hours of the National Grange convention were devoted largely to putting in definite form the national policy of the Grange, especially in regard to legislative matters, which have been presented and discussed during this week.

The general program, indicated by L. J. Tabor, National Master, in his opening address, was adopted practically with few changes. It consists, briefly, of the four following fundamental demands:

1. A system of co-operative marketing to eliminate waste in distribution under the guidance of a federal farm board.

2. A flexible system of export debentures to enable producers having exportable surpluses to receive tariff benefits.

3. A more extensive and effective application of the tariff system to agricultural products, so as to hold American markets, in so far as possible, for American products.

4. A land policy to avoid uneconomic legislation.

The last named item refers to the recommended use of public land for recreation, conservation, and forestry instead of permitting it to be developed for agricultural production during this period of surplus and depression. The Grange sees no advantage in irrigating more land when there is much irrigated land now lying idle.

The Grange stand on taxation was presented by Ralph W. Smith of Iowa, for the tax committee, in favor of retention of the federal inheritance tax without reduction of the present rates; no reduction in the income tax until the war debts of the United States are paid; enactment by the states of income tax laws and excess profit taxes on intangible property.

This, it was explained, would give sufficient revenue so that the taxes laid on farms and tangible property generally could be retained for local uses and the farmers absolved of the obligations to pay state taxes.

Other matters connected with the interests of agriculture kept the Grange in session beyond the time set for adjournment. The insistence upon the debenture plan, which was one of the features which the Grange worked for, during the last session of Congress is included in their program for this session.

Smoke Clouds Over Cities to Turn Into Gold

(Continued from Page 1)

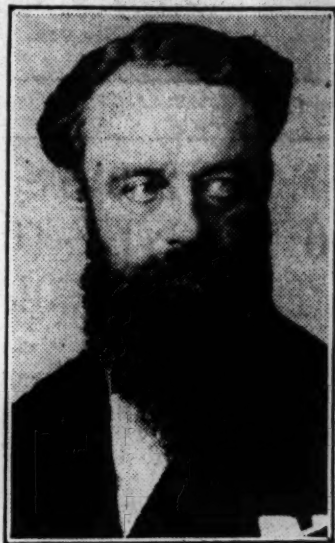
each coal-car now carries 10 per cent of combustible ash, and that reasonably better cleaning would reduce the ash from 10 to 8 per cent, with consumer saving of \$20,405,000 in this factor alone.

Mr. Crozier, from London, took a fling at the Englishman's love of an open grate fire. "The problem of perhaps the greatest social and industrial importance facing the British nation today," he said, "and the one which will have the most vital and far-reaching effect on our national prosperity, is that involved in the low-temperature distillation of our coal resources."

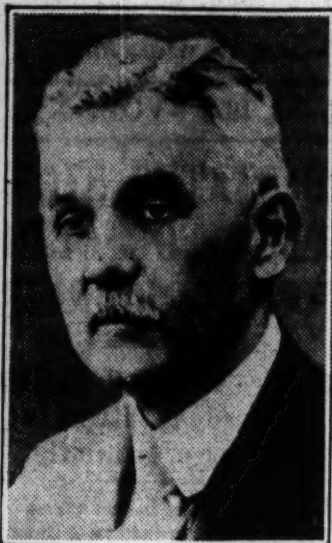
England's wealth lies in its coal, and only a small fraction of the wealth, he argued, is utilized under present methods of burning. Chronic depression in the coal industry is not confined to the United States, but is seen equally in England, he said, where relief could be found by extracting the valuable by-products from coal before they are lost up the chimney. This would end the smoke nuisance also, he said.

See Network of Pipe Lines
Germany's solution of the problem, as told by Dr. Pott, appears to consist in greater use of coal in the coke ovens, with the gas piped into

Putting Coal Through Its Paces



DR. ING. M. DOLCH
Of the University Institute for Technical Chemistry, Germany.



GEORGES CLAUDE
Natural Scientist and Inventor of Payls.

cities. Coke is necessary for metallurgical processes in the iron and steel trade, he explained, and gas is already being extracted. This gas has not had an adequate market and has been employed for heating coke-ovens and as a fuel for steam plants.

In other words, he said, one of the most expensive fuels is used to do ignominious jobs that slack coal might as easily have performed. At the same time cities are burning their own coal to get gas.

"The new scheme visualizes main pipe lines extending from the coal centers in all directions," Dr. Pott said. "The idea of long-distance gas distribution is growing rapidly all over Europe and especially in Germany. It will not be very long before the transportation of coal gas over long distances will have found its place in energy economies which it deserves on the basis of technical and economic research."

New Kind of Gas for Motors

Dr. Pitt said that by the end of next year a network of 950 kilometers of pipe lines will have been laid, carrying the hitherto largely wasted coke oven gas to a population

of approximately 10,000,000 people; about 2,000,000,000 cubic meters will be supplied annually.

Gas is now being used to drive automobiles in France, Mr. Bing said a transport contractor in Paris recently ordered 12 motor trucks designed for gas use. There is no danger of premature explosion in this gas as it is now used, he said, and lighter containers for compressing it are being supplied.

Gas is being piped hundreds of miles in the United States, Dr. Rittman said. "Within the next year, literally hundreds of millions of cubic feet of natural gas originating in Texas, Montana and other states will daily be delivered to the great fuel consuming centers of the Middle West."

An American oil company is now making 50 tons of "synthetic coal" a day, as a by-product of its production of gasoline, Dr. Rittman continued.

In present processes, a low grade fuel oil is left as residue, after "cracking," he said. This sells for as low as 1.5 cents a gallon. The new development uses it to manufacture high grade "amorphous bituminous

coal," selling for \$7 a ton. W. L. Robinson, superintendent, fuel and locomotive performance, Baltimore & Ohio Railroad, explained the immense wastes in transportation charges due to impurities now carried in coal. Every time a railroad train starts, he said, one half a ton of coal is used to bring it up to running speed again. One quarter of the nation's soft coal is burned by railroads. At present, he said, three-quarters of the heat generated on a locomotive is lost through the stack. If only 1 per cent of present ash content could be removed from coals by better cleansing processes, it would mean that 25,000 50-ton capacity coal cars, making up 213 trains, would not have to be transported, he said.

How Austria was left by the treaty of St. Germain without adequate supplies of fuel so that trains virtually stopped running, and the conservation program adopted by the nation to meet this emergency, was told by Dr. Bartel Grunke, Leoben, Austria, a professor of the university at that town. The conservation program involved the whole nation and its inhabitants. Today hydraulic power has been harnessed and Austria, although inadequately supplied with domestic resources, is using these with great efficiency.

Others scheduled to speak at Friday's session were Ing. M. Dolch, director of the Institute of Technical Chemistry of the University of Halle-Saale, Germany, on "Fuel Tests and Plant Operation," and Georges Claude of Paris on "Some Thoughts of an Inventor on Scientific Research and Inventions."

PRESIDENT AND WIFE RECEIVE DIPLOMATS

WASHINGTON (AP)—The President and Mrs. Coolidge gave their annual dinner to the diplomatic corps, Nov. 22. The guests included more than 50 representatives of foreign governments in Washington and in addition Frank B. Kellogg, Secretary of State, and Mrs. Kellogg, William E. Borah, chairman of the Senate Foreign Relations Committee, and Mrs. Borah, and Stephen G. Porter, chairman of the House Foreign Affairs Committee. Other guests were invited to attend a musicale following the dinner. The artists announced were Charles Hackett, tenor, and Alberto Silvi, harpist.

FORMER ENVOY MAKES PLEA FOR OLD DIPLOMACY

New Open Methods Have Still to Prove Their Value, Says Sir Rennell Rodd

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

LONDON, Ont.—Substitution of politicians for trained diplomatists in the conduct of modern international affairs was sharply criticized in a recent address here by Sir Rennell Rodd, a distinguished British diplomatist.

"It is probably safer," he said, "to

leave the discussion of international affairs to men qualified by training and experience for that work than to give them to politicians who do not understand the mentality of the peoples with whom they are dealing. After all, the successful conduct of foreign affairs is the work of experts. It requires special training, education, imagination, tolerance, patience and above all experience.

"The trained permanent diplomat, whose reports are rarely published, has no object but to serve his country to the best of his ability, while a politician is responsible to popular estimation; he is preoccupied with the repercussion of his activities on the public, and his success therefore must be restricted."

"One criticism of the old diplomacy," he said, "was that it failed to take the press into its confidence, and it is the frankness and openness in connection with the new diplo-

macy that is its biggest claim. But it is still an open question how far the new diplomacy has been successful, or to what extent immature information, partially informed or even inspired controversy have hampered negotiations of various kinds. On the other hand there is the great weight of public opinion, freely and sincerely expressed through the press, that is of the greatest value. "The discussions of the League of Nations at Geneva have been as far as possible with open doors, and the power of public opinion has become directly associated with the machinery of diplomacy. The League suffered at first because it was thought it was based on moral, sentimental and ideal reform, but in practice it seems to have developed on quite different lines and should be an instrument that will become more and more valuable as it grows to maturity."

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BOSTON

WOMEN TO PLAY LEADING ROLES IN UNION MOVE

Purchase of Labeled Goods to Be Promoted—Doubling of Membership Proposed

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR
NEW ORLEANS, La.—Women of the United States will play an increasingly important role in the industrial and trades life of the country, if the American Federation of Labor has its way, for the mothers, wives, and daughters of workmen affiliated with the various crafts are going to insist on the union label appearing on the products they purchase.

Miss Anna Fitzgerald, representing the International Union Labor League and the trade union auxiliary, outlined to the federation delegates what the women of the United States are doing, and pledged further activities along that line.

The federation devoted the morning session on Nov. 22 to an active discussion of routine matters, including the report on membership, which showed an increase of 81,287 members over 1927.

The federation went on record as expecting and working for double that number of new members before the 1929 convention.

Gov. Ralph O. Brewster's exposition of Herbert Hoover's plan for industrial stabilization still is being widely discussed among the labor delegation, and apparently the plan met with 100 per cent approval.

John P. Frey of Washington, secretary of the metal trades department of the federation, declared that the soundness of the policy was grasped by leaders in the union trade movement before economists and business men grasped the truth.

"We have been the pioneers in interpreting what was developing industrially, through the application of fundamentally sound economic thought," he told the labor federation. "Time has demonstrated the soundness of our economic policies, even though at times the recognition may be somewhat belated."

"One of the outstanding accomplishments of our movement has been its economic interpretation of the fact that national prosperity depended upon the volume of wages, that the great economic problem facing American industries was underconsumption."

"Governor Brewster's address was not only a complete endorsement of our basis for wages, but in addition was an endorsement of one of the policies of this federation for the purpose of relieving unemployment through the utilization of a reserve accumulated in times of plenty."

Ceylon to Extend Local Option Plan
Big Advance for Temperance in Island Marked by Government Decision

BY WIRELESS TO THE CHRISTIAN SCIENCE MONITOR
COLOMBO, Ceylon.—The Colonial Secretary, A. G. M. Fletcher, announces that the Government intends to institute far-reaching proposals for an extension of local option to cover foreign liquor. Mr. Senanayake asked the Government to postpone its already-announced local option polls, pending the inclusion of foreign liquor licenses under operation of the local option rules.

Mr. Fletcher replied that the Government hopes to announce soon its decision on the recommendations of the excise commissioner for steps to control the rising consumption of foreign liquor. Meantime the Government is not prepared to postpone the polls.

The debate on the new constitution prevented early discussion of the far-reaching innovations. Hitherto local option rules applied only to native liquor, such as arrack and toddy.

BY WIRELESS FROM MONITOR BUREAU
LONDON.—The announcement that the Ceylon Government proposes to extend the local option polls to cover foreign liquor marks a big advance for temperance in that island. Since the war local option polls have been held periodically in those districts in Ceylon where residents have demanded them. The polls applied only to the fermented date-palm juice and other Ceylon-made intoxicants. The polls have been strongly supported, however, alike by missionaries and by Buddhist monks and have resulted in the closing of a large number of liquor shops.

So long as whisky and other imported liquor can be sold freely, however, the beneficent results are much restricted.

ORTHODOX PRELATE FAVORS WORK OF "Y'S"
BY WIRELESS TO THE CHRISTIAN SCIENCE MONITOR

SOFIA.—Friendly approval of the Y. M. C. A. and the Y. W. C. A. by the Greek Orthodox clergy, after years of endurance, if not actual

opposition, took place in the Bulgarian "Y's" week of prayer, when the chief feature of the program was the address by Stephan, Archbishop of Sofia, and leader of the national Orthodox Church.

Since many Orthodox clergymen have repeatedly shown themselves hostile to the work of the "Y's" in Bulgaria, the participation of a noted prelate in the largest and most successful of union meetings the organizations have held here for many years is considered a good omen. So many youths are now seeking membership in the Y. M. C. A. that the association had to establish a waiting list.

Bulgarians Ready for Promised Coup by Ivan Michailoff

Special Guards for Cabinet Members After Threat by Macedonian Leader

SOFIA, Bulg. (AP).—The police guard protecting members of the Cabinet has been doubled, to guard against an attempt of Ivan Michailoff, leader of the belligerent faction of the Macedonian Revolutionary Party, to carry out his threats to march on Sofia with his cohorts, and attack certain of the ministers.

Bulgaria, it was thought, might be plunged into civil war if Michailoff became more aggressive. Conflict between opposing political factions before the club of the Agrarian Party caused some apprehension. Brisk fire was exchanged between the factories before the police intervened and arrested many of the belligerents.

Athanasios Buruff, Foreign Minister, in a statement to the Associated Press, made an appeal to the United States to rescue Bulgaria from its present internal crisis.

"It will be impossible for the United States to play the role of passive onlooker in the face of the tragedy which threatens Bulgaria," he said.

"Will not the United States save us before our peasants, crushed under taxation, reparations and the high price of the necessities of life, are forced to embrace Bolshevism?"

Mr. Buruff said that the succession of terrorist acts by illegal Macedonian bands, which had occurred recently, were the indirect result of the "crushing terms imposed upon Bulgaria by the post-war peace treaties."

Spain's King Talks to Kin in New York
New Telephone Link Cuts Columbus's Message Time From Months to Minutes

SPECIAL FROM MONITOR BUREAU
NEW YORK.—Columbus was more than two months crossing the Atlantic for the Queen of Castile, and his letters and gifts to her from the islands of the Caribbean were almost as long in reaching her. That was more than 400 years ago.

There is a new dynasty in Spain and—not least of other changes—a telephone that has reached out from the New World and penetrated even to the seat of the kingdom that was Isabella's, and the King of Spain has used it to talk to one of his own Bourbon lineages, 3000 miles away in New York City.

The conversation at the New York end was from the office of Hernand Behn, executive vice-president of the International Telephone & Telegraph Corporation, where Infante Senor Don Alfonso de Orleans, first cousin to the King, and Infanta Senora Dona Beatriz talked with King Alfonso and the Queen Mother, Queen Cristina, in the royal palace in Madrid.

It required only a few moments to link the new world and the old world. While the Infante and Infanta were in the office of Col. Stenhouse Behn, president of the corporation, receiving a few of the higher officials, the ocean spanning connection was made.

King Alfonso and the Infanta spoke for 32 minutes, while the latter told about his reception in this country and his delight in finding such great interest in the United States in things pertaining to Spain.

GOVERNORS TO MEET NEXT AT NEW LONDON
NEW ORLEANS, La. (AP).—Governors of 20 states are returning home to the final session of their annual conference here in which Gov. George H. Dern of Utah was elected chairman of the council, and New London, Conn., was selected as the next convention city.

Gov. John Hammill of Iowa, John H. Trumbull, Connecticut; Norman Case, Rhode Island, and Huey P. Long of Louisiana, were named as additional members of the council.

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"The Relation of Improved Highways to Education," an Essay by Verona Daniel Hardy, a 15-Year-Old High School Girl of Guilford, Miss., Won Her the First Prize of \$4000 in the Harvey S. Firestone Good Roads Scholarship Contest Open to Every High School in the United States.

Dry League Votes to Shun Politics

Friend of Prohibition, Not a Foe of Candidates for Office

PITTSFIELD, Mass. (AP).—Representatives of the Anti-Saloon League announced at the close of their two-day conference here that the league would continue to furnish appointive officials dealing with prohibition, information about their prospective employees. The conference was attended by league workers from the 11 New England and middle Atlantic states.

It was also stated, however, that "the policy of the league is never to permit the league to be maneuvered into assuming responsibility for appointments, and no action by the league should ever give color of authenticity to the charge that the league is responsible for the appointments."

The Anti-Saloon League's policy is "consistently to stand as a friend of prohibition rather than as either friend or foe of candidates for appointive offices, and to be ever ready to form an impartial judgment of the appointing power in the light of efficiency and honesty of his appointees," according to the statement.

The national election was declared to be "an overwhelming endorsement of prohibition," and the league called "on that section of the press which has heretofore been hostile to prohibition to take the same cognizance of the result of this referendum on prohibition that it would have taken had the result been reversed, and to give prohibition news an even break in its news and editorial columns."

Declaring that "at the end of the

next presidential election the majority of those voting will have no personal knowledge of the evils of the license liquor traffic," the statement concluded.

"In order therefore, to conserve the victory won, there must be an instant and complete mobilization of all dry forces for an extensive and intensive campaign of popular education as to the benefits of prohibition and the harmful effect of the beverage use of alcohol. These facts constitute a complete refutation of the false and misleading propaganda to which liquor interests and wet political leaders have been able thus far to give general currency."

South Pole Flight by Wilkins's Party Told by Wireless

Message to Pilot's Father Reports Success in the Antarctic

NEW YORK (AP).—Radio messages sent from the antarctic by Capt. Sir Hubert Wilkins told of the first airplane flight ever made over that region.

One message, addressed to Ole Eielson of Hatter, N. D., father of Lieut. Ben Eielson, pilot of the expedition, read:

"Ben made first antarctic flight today. Regards, Wilkins."

A second message was received by the Wright Aeronautical Corporation.

The Wilkins expedition, the object of which is to study weather conditions and locate suitable places in the antarctic for meteorological stations, left New York Sept. 22. They were bound for Deception Island, a deserted bit of land 60 miles off the coast of Graham Land, due south of Cape Horn, the southern extremity of South America.

From a base either on Graham Land or Deception Island they hoped to make flights of exploration east along Graham Land and west to the Ross Sea. The latter flights would carry them close to the base of the Byrd expedition.

In addition to Wilkins and Eielson, other members of the expedition are Joe Crosson, assistant pilot, William Gaston and Orval Porter, mechanics.

GREECE TO PLACE BAN ON COMMUNISM
BY WIRELESS TO THE CHRISTIAN SCIENCE MONITOR

ATHENS.—The Government, in its efforts to discourage alleged subversive activities, will soon present the Chamber with a bill providing for the prosecution of the advocates of Communism, without touching the liberal fundamentals of the constitution or restraining free thinking.

Its main purpose is to furnish the Government with measures within the limits of the constitution itself to suppress anti-constitutional propaganda.

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DIGEST CLAIMS POLL ACCURACY OF 95 PER CENT

Both Popular and Electoral Votes Agree With Estimates

NEW YORK.—For the second presidential election in succession a Literary Digest nation-wide postcard poll has proved nearly 100 per cent accurate, it is noted in the current issue of the Literary Digest.

The 1928 forecast is shown to be 95.6 per cent accurate on the basis of the popular vote and 95.7 per cent accurate on the basis of the electoral vote. In 1924 the Digest's estimate of the vote in the electoral college was only three votes out of the way, while the estimate of the Coolidge popular vote was only 1.29 per cent in error.

This week's Digest contains two 1928 political maps of the United States: the one foreshadowed by the straw vote, and the almost identical one determined by the voters on election day. Attention is called by the magazine to the foretelling of the break-up of the solid South and Governor Smith's loss of his own State. The Literary Digest states editorially:

Gave Smith Four States
"The straw vote gave Governor Smith a majority in only four states, Georgia, Louisiana, Mississippi and South Carolina. But Hoover's lead was so small in the normally Democratic states of Alabama and Arkansas that the editors of the Digest, in presenting the final poll figures, suggested that their electoral vote might be credited to Smith. As a matter of fact, these were the six southern states carried by the Democratic candidate. But he also carried by comparatively narrow majorities two New England states, Massachusetts and Rhode Island. Thus Governor Smith has 87 electoral votes to

Mr. Hoover's 44, while the Digest straw vote indicated that he would have 84 to Hoover's 47.

"It will be remembered that in presenting the final poll returns we referred to a last-minute switch of votes in 1924 from La Follette to Davis and suggested that last-minute switches of sentiment must be taken into account in considering the validity of the 1928 poll. And, in fact, after the Digest's 'straw voters' had sent in their ballots Governor Smith made a dramatic tour through southeastern New England, delivering perhaps his most vigorous campaign speech in Boston, and rousing the urban crowds to such enthusiasm that representatives of Republican newspapers admitted they could not tell what the effect would be.

Percentages Close
"In the Literary Digest's straw vote Mr. Hoover received 1,750,584 ballots and Governor Smith received 987,795. In terms of percentages, this is 63.2 per cent for Hoover and 35.7 for Smith, leaving 1.1 per cent to the minor candidates. Now let us see how closely the straw vote foreshadowed the actual country-wide division on election day. According to figures available on Nov. 14, with 4962 districts missing, Mr. Hoover had 20,812,912, or 58.8 per cent, out of a total of 35,439,715; Governor Smith had 14,626,803, or 41.2 per cent, of the total.

Thus, on the basis of the popular vote, the Digest estimate was only 4.4 points away on a percentage calculation—in other words, 95.6 per cent accurate. On the basis of the electoral vote, the Digest poll was only 4.3 per cent wrong in estimating the relative strength of the two candidates; that is, it was 95.7 per cent accurate.

SMITH GRADUATION PLANS
NORTHAMPTON, Mass. (AP).—Dr. George Edgar Vincent, president of the Rockefeller Foundation, has been chosen as commencement speaker by the senior class of Smith College.

TRINITY BUYS PROPERTY
SPECIAL FROM MONITOR BUREAU
NEW YORK.—Trinity Church Corporation has just purchased from Louis Adler the southwest corner of Thirty-Ninth Street and Seventh Avenue, for a price reported to be more than \$20,000,000. This property has figured in several real estate deals in the last 12 months that run into millions of dollars. It is regarded by real estate operators as one of the most valuable corners in Seventh Avenue, south of Times Square.

RAILWAY AGENT LAUDS LOYALTY OF INDIAN HELP
Bengal Official Seeks to Keep Personal Touch of Employer and Employed

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR
CALCUTTA.—The appointment of "personal officers" whose sole duty is to deal with the grievances of workers was commended by N. Pearce, who urged that this system should be universally adopted. Mr. Pearce, who is agent of the Eastern Bengal Railway, was speaking at the twenty-fifth session of the Indian Railway Conference Association. The problem of tackling labor troubles occupied the greater portion of the presidential address.

Get back as quickly as possible, Mr. Pearce urged, to that personal touch between the employer and the employee that used to characterize railway working. It was most essential that they should not lose sight of the important fact that India was still a ma hap (patriarchal country) and they must avoid the danger of substituting for the old direct personal touch between the District Officer and his staff a system whereby the personal interest of the staff was handled by those who had no personal acquaintance with his needs.

The officer must be imbued with tremendous enthusiasm for his work. He must get out of his office and move about all over his section of the railway, so that not only would he know practically every man individually, but what was quite as important, he might be known by the staff. This might sound Utopian, but he was convinced that it was worth while trying, so that there might be an end to the suspicion that often expressed itself in labor unrest.

What Lloyd George learned from the old shoemaker
YOU read a speech of David Lloyd George and you say: "How did he learn to think so clearly and express himself with such power? What college did he attend?"

His college was the cobbler shop in a little village in Wales; his teachers were his uncle the cobbler—and a few really worth-while books.

It was those books, wisely selected for him, and systematically read, that gave Lloyd George his start. And good books will do wonders for anyone.

For reading—applied reading—is the greatest tool anyone can have in building a success—socially or in business.

Decide today to stop wasting your reading hours. Say to yourself: "From now on I will read only the books that will build me a success; the books that have proved their building power in other lives."

You can do it if you will. Your reading problem has been solved; the solution is contained in a free booklet which every ambitious man and woman should desire to own. It is called "Fifteen Minutes a Day" and it tells the whole story of

Dr. Eliot's Five-Foot Shelf of Books
The Harvard Classics

Every well-informed man and woman should at least know something about these famous "Harvard Classics."

The free book tells about it—how Dr. Eliot has put into his Five-Foot Shelf "the essentials of a liberal education," how he has so arranged it that even "fifteen minutes a day" are enough, how in pleasant moments of spare time, by using the reading courses Dr. Eliot has provided for you, you can get the knowledge of literature and life, the culture, the broad viewpoint that every university strives to give.

Every reader of this page is invited to have a copy of this handsome and entertaining little book. It is free, will be sent by mail, and involves no obligation of any sort. Merely clip the coupon and mail it today.

Send for the FREE BOOK
Before you spend another penny for books, get a copy of "Fifteen Minutes a Day"—which the coupon will bring you.

It's a book that tells how to turn wasted moments into growth and increased power. It's ready and waiting for you; and it's entirely free. Send for it at once.

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P. F. COLLIER & SON COMPANY
250 Park Ave., New York
By mail, free, send me the booklet that tells all about the most famous library in the world, describing Dr. Eliot's Five-Foot Shelf of Books (Harvard Classics) and containing the plan of reading recommended by Dr. Eliot. Also please advise how I may secure the books by small monthly payments.

Mr. Name Mrs. Name
Address
City State Zip
The publishers cannot undertake to send the booklet to children.

RAILWAY AGENT LAUDS LOYALTY OF INDIAN HELP

Bengal Official Seeks to Keep Personal Touch of Employer and Employed

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR
CALCUTTA.—The appointment of "personal officers" whose sole duty is to deal with the grievances of workers was commended by N. Pearce, who urged that this system should be universally adopted. Mr. Pearce, who is agent of the Eastern Bengal Railway, was speaking at the twenty-fifth session of the Indian Railway Conference Association. The problem of tackling labor troubles occupied the greater portion of the presidential address.

Get back as quickly as possible, Mr. Pearce urged, to that personal touch between the employer and the employee that used to characterize railway working. It was most essential that they should not lose sight of the important fact that India was still a ma hap (patriarchal country) and they must avoid the danger of substituting for the old direct personal touch between the District Officer and his staff a system whereby the personal interest of the staff was handled by those who had no personal acquaintance with his needs.

The officer must be imbued with tremendous enthusiasm for his work. He must get out of his office and move about all over his section of the railway, so that not only would he know practically every man individually, but what was quite as important, he might be known by the staff. This might sound Utopian, but he was convinced that it was worth while trying, so that there might be an end to the suspicion that often expressed itself in labor unrest.

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YOU read a speech of David Lloyd George and you say: "How did he learn to think so clearly and express himself with such power? What college did he attend?"

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Mr. Name Mrs. Name
Address
City State Zip
The publishers cannot undertake to send the booklet to children.

Nothing but superlative quality—saving of time—and true economy could account for the increased demand by the American public for Ocean Spray Cranberry Sauce.

Five years ago unknown—today, twice as many want Ocean Spray Cranberry Sauce as can have it. Production, increased 500% in 5 years, is still hopelessly behind the demand from every state in the Union.

Ocean Spray Cranberry Sauce has raised the Cranberry industry to an important place in the economic life of Massachusetts.

To be sure of getting Ocean Spray Cranberry Sauce, order at once. Otherwise you are very apt to be too late.

Vine-ripened Cape Cod cranberries—cooked while fresh and crisp—with fine white sugar—alongside of the bogs where they are grown—and you have Ocean Spray Cranberry Sauce.

Better cranberries than you can get at home because vine-ripened berries cannot be shipped. More economical, too.

The deep red awakens appetite—adds color to the table—supplies mineral elements desirable in food.

Send For Recipes
Ocean Spray Preserving Co.
SOUTH HANSON, MASS.

SOUPS
depend upon flavor. Are better when seasoned on the table with **LEA & PERRINS' SAUCE**

The Monitor Reader
(Answers to Questions Asked on the Next to Last Page.)

1. Providing a building fund to be used in slack periods.
2. Its legality and its alleged honor.
3. Mesopotamia.
4. Pilgrim's Progress.
5. Individuals who have given up liquor habit write testimonials to newspapers.
6. "To cut in."
7. The Zonta Club.
8. Field hockey.
9. George Washington.
10. The use we make of our time.

TRADE ADVANCE IN PHILIPPINES SEEN IN REPORT

Prosperity of Porto Rico
Also Indicated by Gen.
McIntyre

SPECIAL FROM MONITOR BUREAU

WASHINGTON—Steady progress in agriculture, commerce and industry in both the Philippines and Porto Rico are noted by Maj. Gen. Frank McIntyre, chief of the Bureau of Insular Affairs, in his annual report.

"This has been an excellent year for the Philippine Government and the Philippine people," he declares. "The finances are in excellent condition, public order is good, conditions of sanitation have steadily improved and the statistics of production and trade bear evidence of continued progress. The general interest of the people in educational progress is still maintained."

Vice Governor, Gillmore, making inspection trips to all parts of the islands as acting Governor-General, was impressed by the cordial feeling of the people toward the American people and government and reported to the bureau that "it would be difficult to find a more contented body of people or one with fewer causes of grievances."

Shows Big Surplus

"In 1927 the revenues exceeded the expenditures of government by over \$1,500,000,000, and the balance sheet of the Government showed a surplus of about \$2,500,000," Colonel McIntyre reported.

"The total trade of the islands in 1927 showed an increase of over \$15,000,000 (more than 6 per cent) over 1926, the trade with the United States increasing about 9 1/2 per cent over 1926."

"The areas planted to most of the leading crops were larger than ever before recorded, the steady increase in the production of rice being particularly encouraging. The production of sufficient rice for home consumption is a most important item in the development of the Philippine Islands."

"The granting of independence to the Philippines is a moral obligation on the part of the United States," William H. King (D.), Senator from Utah, declared after a visit to the White House, where he discussed the question with President Coolidge. "We have guaranteed it in the Jones Act of 1926," he said.

Another reason for Philippine independence, he said, was that the increase in the islands' production of sugar would bring that product more and more in competition with the American beet sugar industry. There undoubtedly will be an effort at the coming session of Congress to impose a tariff on imports of Philippine sugar into the United States, he pointed out.

Porto Rico Prosperous

"There was evidence of greatest prosperity throughout the republic," General McIntyre reports of Porto Rico. "Perhaps the greatest factor in the development of the country's resources has been the extension of a modern highway system which facilitates transportation both to and from markets and shipping points. A number of municipal buildings and schools have been erected in the last year," he also reports.

"The statistics of Porto Rican trade show the general progress of the island," according to the report. "The total products of Porto Rico shipped to the United States in the fiscal year 1928 are valued at \$96,625,619. The outstanding development in agriculture was the increased sugar production per acre."

"Every industry is going forward satisfactorily. The greatest development has been in embroidery, handwork and ready-made clothing. This comes third in importance in shipments from the islands, exceeding the total of each of the important crops of coffee and fruit."

Women Demand

Pact Ratification

Iowa Conference on War Sends

Resolutions to the

Senate

SPECIAL FROM MONITOR BUREAU

DES MOINES, Ia.—"International peace will come to stay. It is on its way now," Ray Murphy of Ida Grove, Ia., former head of the Iowa department of the American Legion, told the State conference on the "Cause and Cure of War," participated in by representatives of 14 women's organizations.

"The final stage will be a League of Nations in which all nations will actively participate," he declared.

Dr. C. C. Morrison, Chicago, editor of the Christian Century, who witnessed the signing of the Kellogg Pact last summer, declared that the acceptance of the treaty means more than an agreement to arbitrate, but it does mean a complete revolution of international law, a revision of all international law and the establishment or adaptation of the new existing World Court.

The womanhood of the country failed to keep its pledge to the men who went to war in 1917, said Mrs. J. Hooper Oakleaf, Wis., in the closing session of the conference. She urged ratification of the Kellogg pact.

Other speakers stressed the importance of a vigorous campaign in behalf of the ratification of the peace treaty. A series of resolutions to be addressed to the Senate of the United States made plain the determination of the women of America to insist upon a prompt ratification of the measure at the earliest possible moment.

COUNT BETHLEN

DENIES PLAN FOR

ELECTION OF KING

BUDAPEST (AP)—The Premier, Count Bethlen, caused great surprise and disappointment throughout Hungary by declaring at a banquet of Liberal leaders: "The question of the election of a king must be put off until the background."

He said the country had other things to do.

Count Bethlen declared that the propaganda for the election of a King of Hungary was doing the country more harm abroad than the entire campaign in favor of the revision of the Treaty of Trianon. He said the Government will take legal steps under the Constitution to punish those responsible for the agitation, if it continues.

"Let me say, once for all," said Count Bethlen, "that no plans for the election of a king have been made. If, and when they are made, they will be placed before the country in a proper manner."

BULGARS DECLINE

SERBIAN INVITATION

BY WIRELESS TO THE CHRISTIAN SCIENCE MONITOR

SOFIA—Bulgarian newspapers, in expressing appreciation for the hospitality of their colleagues in Belgrade, have declined the invitation of the Serbian journalists to visit Yugoslavia, declaring that it would be embarrassing to them to be the guests of a country from which all other Bulgarians are excluded.

As long as the Serbian boundary is closed to Bulgarian subjects, the journalists here say, they do not want to accept as a special favor any right which the Serbs consider the rest of the Bulgarians are unworthy of enjoying. This small but significant act reveals the attitude of the Bulgarian press toward the proposed Balkan Locarno.

SCOTT FILMS GO TO NATION

LONDON—The cinematographic record of the late Captain Scott's expedition to the south pole has been purchased for the Nation. It will be held in custody by the British Empire Film Institute, and is the first film to be acquired. Efforts had been made by an American museum to acquire the film, £50,000 being offered for it. Herbert Ponting, photographer to Scott's expedition and owner of the film, was, however, willing to accept a considerably smaller sum in order to preserve it for Britain.

HOOKED RUG BRINGS \$2500

SPECIAL FROM MONITOR BUREAU

NEW YORK—One of the best prices for a hooked rug is recorded at a sale at the Anderson Galleries of a collection made by Mrs. E. O. Schernikoff. The rug is 11 1/2 by 9 feet, oval in form, with an ivory center filled with a mass of richly colored flowers. Trailing sprays of roses and leaf motifs make the border. It fetched \$2500.

J. F. HYLAN TO RUN FOR MAYOR

SPECIAL FROM MONITOR BUREAU

NEW YORK—John F. Hylan, one-time Mayor of New York, has just announced that he will be a candidate for Mayor again next year with the backing of the Better City Government League. He will oppose the Tammany Hall candidate. Election machinery is already in motion in the Salmon Tower Building, with James J. Morgan, president of Hall & Rucker Company, as chairman.

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FRUIT, NUTS AND RAISINS

PLACE YOUR ORDER NOW

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CAMBRIDGE, MASS.

BAR ADVOCATES

LAW TO HALT

WASTE OF OIL

Would Curtail Production;

Mr. Mansfield Says Motor

Cases Clog Courts

Legislation designed to permit a curb on overproduction and economic waste of petroleum without violation of the Sherman Anti-Trust Act will be submitted to Congress at its coming session by the American Bar Association, Gurney E. Newlin of Los Angeles, president of that association, announced at a meeting of the Massachusetts Bar Association in Boston.

The bill, he said, would provide that the Secretary of War, the Secretary of the Navy and the Secretary of the Interior may authorize oil producing companies to curtail production until waste no longer exists. The measure was formulated by a committee of the association after an exhaustive investigation at the recommendation of a group of oil companies.

"Years ago we thought competition was necessary, but we are gradually changing that view, especially where in many instances waste may be

eliminated by co-ordination," Mr. Newlin added.

Frederick W. Mansfield, newly elected president of the Massachusetts Bar Association, declared "the greatest cause of delay in the courts at the present time in Massachusetts as in other states is the increase in motor vehicle litigation." The 7300 such cases entered in the Massachusetts Superior Court constituted an increase of 128 per cent over the preceding year while all other cases increased less than 2 per cent, he said.

"Something must be done about it. We are the people who ought to do it," he continued. "The fourth report of the Judicial Council, which will soon be sent to the Governor, suggests ways for dealing with the situation. We had better do what we can to keep this business within the courts by adopting certain rules of procedure than, by failing to do so, to see this business taken out of the courts and out of the lawyers' hands altogether."

George R. Nutter, retiring president of the state association, urged again that the State should raise the standards of admission to the bar and provide state means of instituting disbarment proceedings instead of leaving this entirely to the initiative of the bar associations. There is an irony, he said, in permitting the bar to be filled with ill-trained lawyers through low standards of admission, and then expecting the bar associations to bring proceedings to disbar those who never should have been admitted.

'Sunday Lady' Will Use Her Prize

to Help More Mountain Children

Miss Martha Berry Wins National Achievement Award

for Work With Illiterates—Will 'Invest' It in

Boys and Girls of Her Georgia School

SPECIAL FROM MONITOR BUREAU

NEW YORK—The 1927 Achievement Award of the Pictorial Review has just been bestowed upon Miss Martha McC. Berry, affectionately known as the "Sunday Lady" and nationally recognized for her work among the mountain children of the South.

This is the fifth bestowal of the award, which is in the form of a \$5000 check. It was established in 1922 to honor each year the American woman who has contributed most outstandingly to science, art or letters.

Tributes to Miss Berry's work were paid by Dr. Henry Goddard Leach, editor of the Forum, who presided at the presentation luncheon; by Mrs. Carrie Chapman Catt, and by Miss Inez Wooten of Tiffin County, Ga., secretary to Miss Berry and a graduate of the Berry School.

Mrs. Catt recalled that Miss Berry is the second woman to receive the award for work among illiterates in the United States.

World-wide Movement

"Miss Berry's work among the illiterate people of her section," she said, "is linked up today with a movement that is going all around the world. Just the other day I read how in a little town in India, where just 2 per cent of the women can read and write, there had been a gathering of women to set about educating themselves, because they had decided that the men weren't going to do anything about it."

"Also it is happening in China: It is happening all over the world. By and by we shall come to a time when the human race will have no isolated ignorant groups. Miss Berry is helping wonderfully to this end."

Miss Wooten held her audience with the ardor of her tribute to the "Sunday Lady." One of 11 children of a poor mountain family in Tiffin County, she had been told of the Berry School and was so filled with ambition to attend it that one day she sold her red-and-white calf for the money to travel the 300 miles to it.

"Miss Berry won't have to lie awake nights thinking how to spend the money that comes to her as the Achievement Award. Thousands and thousands of boys and girls back in the mountains are waiting

NEW MACHINE IS

SAID TO MAGNIFY

ELECTRIC POWER

(Continued from Page 1)

that domestic users will be able to illuminate their dwellings by the aid of small low-tension accumulators."

Approached for his views on the question of Mr. Harrison's invention, an official of the research department of Metropolitan Vickers, Trafford Park, Manchester, said: "The only conceivable way of amplifying electricity is by some method of producing 'cold' electric light. At present something like 80 per cent of energy in electricity is lost in heat. If the loss thus occasioned could be prevented and the whole of the energy devoted to making 'cold' light, then startling results would be achieved."

Effects May Be Revolutionary

A member of the research staff of Messrs. Ferranti, Ltd., Oldham, one of the biggest electrical firms in England, said: "If the claim that is made can be substantiated, even in a small degree, then the results will be utterly unimaginable and revolutionary."

Experts of the St. Helena Corporation, an electricity undertaking, have been conducting tests and are reported sanguine as to the value of the discovery. They will be given the privilege to first utilize the apparatus before the device is marketed.

The Monitor representative saw in operation the machine installed in Mr. Wood's office. It was connected by flexible wiring to an electric light bulb holder. Wire at the other end of the box led to a dozen holders in the room. Switching on power sufficient for one light, the current passing through the amplifier gave equal light to six lamps, as the original current would for one.

Mr. Wood, "we had a generator attached to a dynamo. Between them was the machine. We started the generator by hand. The current it developed was passed through the amplifier to the dynamo and a portion of the current was returned to the generator to keep it running. And it kept on going for 26 hours. No other generator without driving power could keep going for 25 seconds."

Capable of "Incredible Development"

"Mr. Harrison merely claims to have made an electrical discovery which, in the hands of the industrialist or the electrical engineer, will be capable of incredible development. Electrical power in time may become cheaper and more accessible than water."

Mr. Harrison studied engineering at Liverpool University, afterward devoting three years to work on his theory in Glasgow. "Returning to St. Helena," he said, "I fixed up a laboratory in the cellar of our home, where at 3 o'clock in the morning of March 3, 1927, I had the first visible sign of success. I reported the results to Mr. Wood. I am saying nothing until the whole accepts it." Experiments have been granted by Mr. Harrison under the title of "method of improvement for the amplification of electrical power."

THOMAS F. RYAN

HAS PASSED ON

NEW YORK (AP)—Thomas Fortune Ryan, financier, has passed on at his home here today. His career was mainly devoted to the consolidation and extension of street railway and electric light and power systems in New York, Chicago and other cities. About 1908 he resigned as the controlling factor on the directorate of more than 30 corporations retaining directorships in only three, the Carolina, Clinchfield & Ohio Railway,

the Clinchfield Coal Corporation and the Guaranty Trust Company of New York City.

The financier's fortune was variously estimated at from \$300,000,000 to \$500,000,000. He was the largest stockholder in the Guaranty Trust Company. He is said to have maintained a balance of \$40,000,000 in that bank.

State University

Greets All Alike

Rich and Poor Wanted, and

No Effort Is Made to

Limit Enrollment

SPECIAL FROM MONITOR BUREAU

NEW YORK—Calling attention to the rapid rise of state universities in this country during the last 20 years, Dr. Walter A. Jessup, president of the University of Iowa, in an address just delivered at Teachers College, Columbia University, emphasized their particular benefit in bringing college education to the rich and poor alike.

Unlike the foundation colleges, he asserted, the state universities have not sought to limit their enrollments, but have given education to all who desire it. They have branched out from general studies to specialized fields, such as law, journalism and engineering, so that they now offer as complete a field of learning as do the older foundation colleges.

If state appropriations are not adequate to offer facilities for all students, he said, the state university seeks to find money elsewhere.

HUGH GIBSON ASSIGNED

TO ARMS COMMISSION

WASHINGTON (AP)—Hugh Gibson, American Minister to Switzerland, has been designated by Secretary Kellogg, with President Coolidge's approval, as American delegate to the third session of the League of Nations special commission on the manufacture of arms which will meet in Geneva, Dec. 5. Elbridge D. Rand, American consul at Geneva, has been designated to assist as technical adviser.

Mr. Gibson was the American delegate at the two previous sessions of the commission which is endeavoring to prepare a convention for submission to a general conference dealing with the manufacture of arms and ammunition.

Chicago and Its Foreign Students

Exchange Views at Aloha Dinner

Filipino Cautions Hosts on Providing Too Perplexing

an Array of Forks and Spoons—Jane Addams Says

Peace Requires More Than Vague Sentiment

SPECIAL FROM MONITOR BUREAU

CHICAGO—"Getting down to the brass tacks" of international good will and frankly talking over problems, students from other lands dined with American hosts for the fourth year at the annual Aloha dinner given by the church folk of Chicago and its suburbs.

The affair had the air of a family gathering, although the party filled the great ballroom of the La Salle Hotel and the guests, representing many races and all the continents. Students from overseas took the platform alternately with American speakers. Russian student songs were strummed on strangled instruments by "two Russian gentlemen with unpronounceable names but very nimble fingers," as they were merrily introduced.

Friends "by Correspondence"

Miss Helen Tupper, a Hindu student from Lucknow, India, comely in her native costume, told how she had learned to love girls of other nations before she ever left her country. She had friends in seven American states, "by correspondence" before she arrived here, she said.

Jose Desco, from the Philippines, urged Americans to meet students of other nationalities halfway. He praised the hospitality of Americans who invited students from other lands to their homes for dinner, but cautioned them laughingly not to put too many implements on the table. Perplexity over which spoon or fork to use sometimes accounts for a strange restraint on the part of a foreign student, he said.

The basic importance of international good will was taken for granted by all the speakers, including Miss Jane Addams of Hull House. It was rather the technique of living together that came up for discussion, with such questions as "How shall a foreign student make friends with an American who seemed to snub him?" "What could American young people do to make the visitors feel more at home?"

Code of Manners Needed

Miss Addams, in an intimate motherly talk to the great gathering, said she thought many troubles

came to the foreign students because they are too sensitive.

"It is always when you first go to college," she reminded them. She said she believed that a code of manners could be worked out, however, and would be, which would make the whole thing easier.

She cited the Philippines, which she visited last summer, as an example of a country of many racial groups where the people got along without self-consciousness and much good will. The Philippine women, she added, go after peace not with vague sentiments but with careful preparation. She commended this approach, commenting, "Peace takes more than good will; it requires moral energy."

PRIZE SHORT STORY

WINNER ANNOUNCED

NEW YORK (AP)—The O. Henry memorial prizes, given annually for the three short stories adjudged the best published during the year, were awarded at a dinner given by the Society of Arts and Sciences.

Walter Duranty, correspondent in Russia for the New York Times, won the \$500 first prize for his story, "The Parrot," the second prize of \$250 went to Marjory Stoneham Douglas for "The Peculiar Pleasures of Kings," a special prize of \$100 was awarded to Zona Gale for her "Bridal Pond."

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THE CONTINENTAL

TWO STORES

Boylston at Washington

and at our new store

407 Washington St., opp. Filene's

Boston

three years ago this

month these stores

advanced the idea of the

weekly charge account

monthly charge accounts were known to everybody, but the big inconvenience that the average family experienced in the purchase of men's clothing or in any purchase that meant an investment of \$25 or more was that of accumulating the \$25 or more at any one time. The monthly charge account did not relieve this family's problem, because the \$25 was still payable in one lump sum—hence—

OUR WEEKLY PAYMENT PLAN

Allows men to pay for their clothes the way they get paid, weekly or monthly—all they need save for the purchase is \$10, and then they pay the balance over a period of ten weeks. No extra charge for this convenience—just like a regular charge account—the price remains the same. We got our idea from the Co-operative Banks—from big businesses—from Uncle Sam where business is done on this same basis—a stipulated amount at specified intervals over a stated period of time.

For Bröckley \$29 garments you pay \$10 at purchase—then \$1.90 weekly for 10 weeks.

For \$35 garments you pay \$10 at the purchase—then \$2.50 weekly for 10 weeks.

For Continental \$38 garments you pay \$10 at purchase—then \$2.80 weekly for 10 weeks.

For \$45 garments you pay \$10 at purchase—then \$3.50 weekly for 10 weeks.

For \$50 garments you pay \$10 at purchase—then \$4.00 weekly for 10 weeks.

For \$55 garments you pay \$10 at purchase—then \$4.50 weekly for 10 weeks.

For \$60 garments you pay \$10 at purchase—then \$5.00 weekly for 10 weeks.

For \$65 garments you pay \$10 at purchase—then \$5.50 weekly for 10 weeks.

No interest—No carrying charge—just a service

The CONTINENTAL

HART SCHAFFNER & MARX and other men's clothes

Both Stores Open Saturday Evenings Till 9 o'clock

What a difference in gloves the occasion makes

When you give gloves, remember that smart women would no more think of wearing elaborate gloves for sports or driving than they would of wearing French-heeled slippers with a riding habit.

For driving—Saddle-sewn one-clasp, washable kid gloves, \$3.50. Pigskin, washable pull-on gloves pigskin sewn, \$5.

For travel or business—Washable capeskin gloves with strap wrist, \$4. Hand-sewn washable doekskin pull-on Kipling gloves, very durable, \$5.50.

For bridge, tea or matinee—Novelty cuff kid gloves, pique sewn, \$5.50. Six-button length kid gloves, button or elastic wrist, \$5.50. Other gift gloves, \$1.95 to \$12.50.

Mail or telephone orders filled. Filene's Glove Shop—street floor.

Visit Boston's Most Beautiful Restaurant

EL SEVILLA

Located at 130 BOYLSTON STREET

Convenient to Water and Subway Stations

A DELIGHTFUL PLACE TO ENJOY DELICIOUS FOODS AT POPULAR PRICES—AND AMID THE ROMANTIC ATMOSPHERE OF SUNNY SPAIN

Pure of Split Peas a l'Anglaise 20c

Fried Essex Clams, Tartar Sauce and Potato 50c

Broiled Swordfish, Lemon Butter, Fried Sweet Potatoes 60c

Breaded Lamb Chop, Tomato Sauce, Mashed Potato 45c

Minute Steak, Mushroom Sauce, French Fried Potatoes 85c

Apple Pie with Cheese 15c

Lobster and Steak Specials

Rolls and butter served with all fish and meat orders.

OTHER GINTER RESTAURANTS

Wedgwood—531 Washington St. Ambassador—41 Winter St.

DeLuxe—495 Washington St. Regine—461 Washington St.

Cairo—1072 Boylston St.

OCEAN DEPTH SURVEYS MADE EASIER, FASTER

Echo Sounding and Radio Apparatus Speed Up Work 400 Per Cent

SPECIAL FROM MONITOR BUREAU
WASHINGTON—The Government, in its continual effort to make navigation safer, has now "satisfactorily" solved the centuries old problem of speeding up hydrographic surveys with an attendant gain in accuracy. Describing the progress made in developing of apparatus which measures ocean depths by means of echoes, and instruments which make it possible to locate the position of these soundings by means of radio, Col. E. Lester Jones, director of the United States Coast and Geodetic Survey, reports an increase of 400 per cent in the volume of the survey in eight years. The bureau expects to broaden its activities in the East and along the Atlantic coast through the addition of a new ship which will bring the Atlantic survey fleet up to four.

Echo Sounding
Through the co-operation of the bureau, a private corporation has assisted in developing an apparatus by means of echo sounding, based upon the fact that if a sound is produced under water an echo will return from the bottom. The Coast and Geodetic Survey was primarily interested in the development of the apparatus as a means of facilitating hydrographic surveys, but it is now convinced that it proves of value to mariners generally, enabling them to feel their way at night and in stormy weather when buoys and light-houses are not visible.

Radio acoustic sound ranging, which enables survey ships to determine geographical positions of their soundings, is speeding up hydrographic surveys by making them also independent of weather conditions. The new device likewise makes possible accurate location of soundings far off shore where former survey methods made it difficult or impossible to chart soundings to any degree of accuracy. The accomplishment of survey parties in regions of prevalent adverse weather conditions has been more than doubled, the bureau reports.

In radio acoustic sound ranging, a sound produced in the survey ship travels through the water to two or more shore stations, which automatically send wireless signals to the ship as soon as the sound arrives.

Accuracy Improved
Echo sounding and radio acoustic sound ranging, declares Colonel Jones, "have now reached that stage of dependability and accuracy which, while not guaranteeing perfection of performance under all conditions, nevertheless warrants their public presentation and official endorsement."

The report of the survey's activities during the past year details survey work done on the Atlantic, Pacific and Gulf coasts, in Alaska, Hawaii, Porto Rico, Virgin Islands and Philippine Islands, as well as in the interior of the United States.

University Advertisers for Aviation Teacher
MIAMI, Fla.—Wanted: An aviation instructor for the University of Miami School of Aviation, one of the first of its kind in the world. The training of a Lindbergh, the knowledge of a Balchen, the character of a Byrd and his persistence of a Goble, embodied in one, are the qualifications set forth by Dr. B. F. Ashe, president of the university, in searching for a teacher.

FARM CO-OPERATIVES TO BORROW \$60,000,000
WASHINGTON Nov. 21 (AP)—Farmers' Co-operative Associations have been reported by the Federal farm loan board to have indicated to the federal intermediate credit banks a desire to borrow more than \$60,000,000 to finance the marketing of their crops this year.

This report, which forecasts larger advances to the associations than last year, was made to the presidents of the 12 federal land banks and of the 12 intermediate banks. The largest loan requested was in connection with financing of the cotton crop, which aggregated about \$42,000,000.

QUICK ACTION SOUGHT ON ARMY MEASURES

SPECIAL FROM MONITOR BUREAU
WASHINGTON—The Secretary of War asks action by Congress as early as possible on 13 bills pertaining to the military establishment, in

addition to which there are 20 measures which Secretary Davis regards as so pertinent to effective and economical administration as to demand passage at the short session of Congress.

Among the measures which the Secretary lists as the Priority A Class are the following: appropriation for building construction at military posts, involving more than \$15,000,000 for improvements at airfields and posts; remedial action for promotion of officers; provision for the rank of major-general for the future chiefs of the Bureau of Insular Affairs; appropriation for installation at Bolling Field of a radio and communication center; and provision for retirement of enlisted men of the Philippine Scouts after 30 years' service.

Churchmen Report Youth Awakening

New Spiritual Quickening in South America Emphasized by Y. M. C. A. Leader

SPECIAL FROM MONITOR BUREAU
NEW YORK—A new realization of spiritual values is developing in the youth throughout the world, according to speakers at the fifth annual meeting of the General Counseling Commission of the Churches, just held here.

The commission, which consists of representatives of leading denominations, forms a link between the church and the theological activities of the Young Men's Christian Association.

C. J. Ewald, executive secretary of the Young Men's Christian Association for Latin America, told the group of prominent churchmen of a new "spiritual awakening" which is evidenced throughout South America.

It is entirely of lay origin, evidencing a spontaneous interest in religious teachings without being focused along denominational lines.

E. T. Colton, executive secretary of the association's foreign division, told of more widespread co-operation between the churches and the Young Men's Christian Association throughout the world in interesting the younger generation in religious matters.

Discussing the report of the activities of the student division of the Young Men's Christian Association made at the National Council meeting in Chicago recently, Dr. Henry S. Sweet, representative of the Presbyterian churches of the United States on the commission, stressed the need for higher types of leadership in the spiritual training of youth.

Educators Start Fraternity Study

University Heads Launch Wide Inquiry—Alumni Contact Plan Explained

SPECIAL FROM MONITOR BUREAU
WASHINGTON—A searching study of the college fraternity, its effect on the scholarship and on the character of students, is to be made by the National Association of State Universities, which met here with representatives of 40 institutions attending. A committee organized to study all problems of student groups will confine its work for the present to the campus secret society, it was decided.

Clarence C. Little, president of the University of Michigan, told of a plan to be tried at Michigan to bring into closer contact with the university both the future student and the alumnus. "Junior Michigan," will consist of a system of scholastic awards to secondary school pupils which will serve to make them feel associated with the university.

An alumni university, already well under way, has as its purpose the organization of graduates that they may keep in closer touch with each other and with their alma mater along intellectual lines as well as athletic.

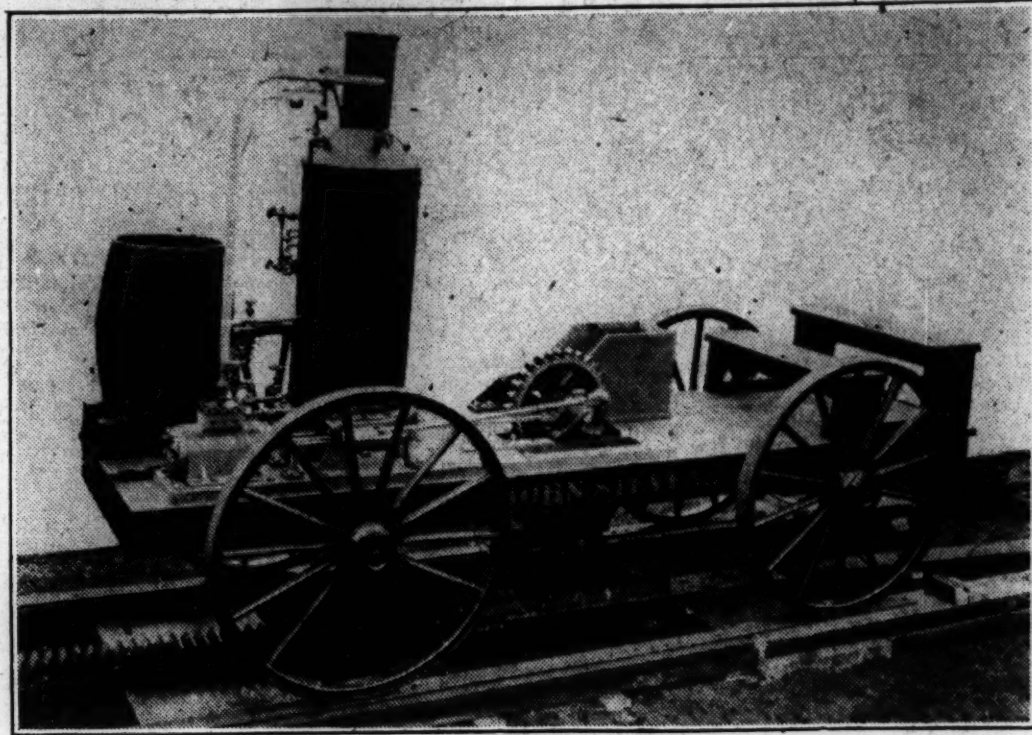
The normal school is fast changing to include a four-year program rather than a two-year professional course, George Thomas, president of the University of Utah, declared.

The increase in junior colleges is having generally a good effect on education, S. D. Brooks, president of the University of Missouri, told the meeting.

LIGHTHOUSE SERVICE ASKS FOR \$1,872,000

WASHINGTON (AP)—A recommendation for expenditure of \$1,872,000 during the coming year in improvements and additions to lighthouse service, in his annual report, the construction of new vessels will take up \$1,350,000 of this estimated total, and will result in the stationing of new lightships at two places on the north Atlantic coast, at Brenton Reef and at the Hen and Chicken Reef, off Massachusetts, while a third ship will be used to do relief work off the Rhode Island and New York Harbors.

When the Steam Engine First Found Its "Legs"



Model of the First Steam Locomotive, Designed by John Stevens in 1825. The Cogwheel Thought Necessary to Propel It Is Seen in the Center Beneath the Wagon-Like Body.

First Locomotive Holds Stage at Stevens Institute Inaugural

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR
CASTLE POINT, Hoboken, N. J.—Within whistling distance of the spot where America's first locomotive circled a little track in Col. John Stevens' back yard more than a century ago, Dr. Harvey N. Davis has just been inaugurated as the third

clerked the unveiling of a memorial tablet by Trygve Hammer, an American sculptor, to Dr. Alexander Crombie Humphreys, second president of the institute from 1893 to 1924. Immediately afterward the institute's new museum was opened, with exhibits embracing several early automobiles and other records of the early development of transportation.

The inauguration of Mr. Davis was preceded by the annual alumni dinner held in New York on the eve of the ceremonies, at which Dr. Davis announced a number of bequests to the institute which will probably total more than \$100,000.

In the major address at the dinner, Dr. W. H. P. Faunce, president of Brown University, stressed the outstanding importance of the fact that the country, with the election of Herbert Hoover, would for the first time in its history displace military men and politicians in the White House by an engineer.

"More Teaching, Less Coaching" "I anticipate," he declared, "a new era, a new way of viewing national and international affairs, through his capacity to look at the great problems of our civilization objectively, dispassionately and scientifically." Dr. Faunce declared that "more teaching and less coaching" is

needed in collegiate study in order to develop self-reliance, initiative and resourcefulness rather than teaching the student to deal merely with specific and routine problems of his profession.

Dr. Henry Suzallo, formerly president of the University of Washington and a trustee of the Carnegie Foundation for the Advancement of Teaching, presided at the dinner.

Other speakers were: Dr. Edward C. Elliott, president of Purdue University; Dr. Lotus D. Coffman, president of the University of Minnesota; Dr. Palmer C. Ricketts, president of the Rensselaer Polytechnic Institute, and Dr. John M. Thomas of Rutgers University.

At a technical session preceding the inauguration, Dr. Robert A. Millikan, director of the Norman Bridge Laboratory of the California Institute of Technology, and one of the leading physicists in the United States, discussed detailed phases of research upon electrons in metals, in which he is engaged at the present time.

The inauguration was preceded by a formal academic procession, in which the visiting presidents and delegates from the many colleges participated. Dr. A. Lawrence Lowell, president of Harvard University,

in an address at the inauguration, urged that greater attention be given by the engineering profession to problems of research, and that more extensive preliminary training be required of students before admission to schools of engineering.

"Every great school in any subject must not only teach, but also discover truth," he declared. "Hence professors in an engineering school must not confine themselves to teaching what is already known, but must be doing research in the sciences on which their instruction rests, especially from the standpoint of their application as an art."

Dr. Davis, in his inaugural address, declared that many colleges overspecialize their undergraduate engineering curriculum. He urged "one fundamental unspecialized curriculum in engineering" which would ground the student in the essentials of all engineering and prepare him for post graduate specialization, professional proficiency and satisfactory human relationships.

Hamilton's Home Will Be Museum

Start on Memorial Project Will Await Receipt of Necessary Funds

SPECIAL FROM MONITOR BUREAU
NEW YORK—The old Alexander Hamilton mansion, adjoining St. Luke's Protestant Episcopal Church in Convent Avenue, near West 141st Street, is to be turned into a permanent memorial to Hamilton and a museum of his possessions, according to Raymond H. Torrey, president of the American Scenic and Historic Preservation Society. Action in this respect will await the receipt of necessary funds, Mr. Torrey said.

The mansion will be left on its present site, although it originally was built on the site of the present Corn Exchange Bank, at the corner of 143rd Street and Amsterdam Avenue, Mr. Torrey said. It came into possession of the society in 1924 through the generosity of an anonymous donor, who bought it from St. Luke's Church.

Alexander Hamilton built the house in 1801 and 1802 on a 16-acre farm he had purchased from Jacob Schieffelin. At that time Hamilton was at the height of his power in the Federalist Party.

The mansion was designed by John McComb, who built the City Hall, one of the outstanding pieces of architecture in New York City.

Decries Specialization

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Interest in Work Measured by Teacher's Own Estimate

It was found that teachers with a long term of service are more deeply interested in their work than the teachers with a short term of service.

Results of the scale tests showed that measures ranged from 50 degrees below zero to 100 degrees above, with a median of 90. This figure was said to indicate that these teachers are interested in their occupations to a high degree, especially in view of the fact that one-fourth of them placed their interests in teaching at 100 degrees, and the groups at 100 and 90 numbered 57 per cent of the total.

"Assertions have been made following vocational surveys in a number of cities that workers are many times found to be dissatisfied with their jobs," Professor Kitson says in the Teachers College Record, which published the scale device. "The purpose of the interest measure is to find how many persons are dissatisfied in each type of work, and particularly, the degree of interest which they hold."

Other groups, such as salesmen, machinists, ministers, etc., will be tested during the year, by Professor Kitson in the effort to perfect his system.

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Grilled Frankforts, Baked Beans and Brown Bread 35c

German Platter, Boiled Potato, Bacon, Frankfort, Sauerkraut, Rye Bread and Butter 35c

Peach Shortcake 20c

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Intercollegiate, Club and Professional Athletic News of the World

FEWER GAMES
THIS WEEK-ENDHarvard-Yale Big Feature
of Eastern College
Gridiron Battles

There is quite a reduction in the number of college football games which are to be played by the eastern eleven of the United States this week-end, due in part to some having completed their 1928 schedules while others are resting up in preparation for their Thanksgiving Day games next week Thursday. What the day will lack in quantity, however, is pretty sure to be made up for in quality and tradition.

While there is no chance of the outcome of the Harvard-Yale game at New Haven having any bearing on a claim to a high place in eastern college football circles this fall, it will be the feature game of the East. Yale has lost three games this fall while Harvard has lost two and been held to a tie; but still the demand for tickets to the Yale Bowl has far exceeded the supply and there will be few, if any, vacant places when the two teams trot out on the field.

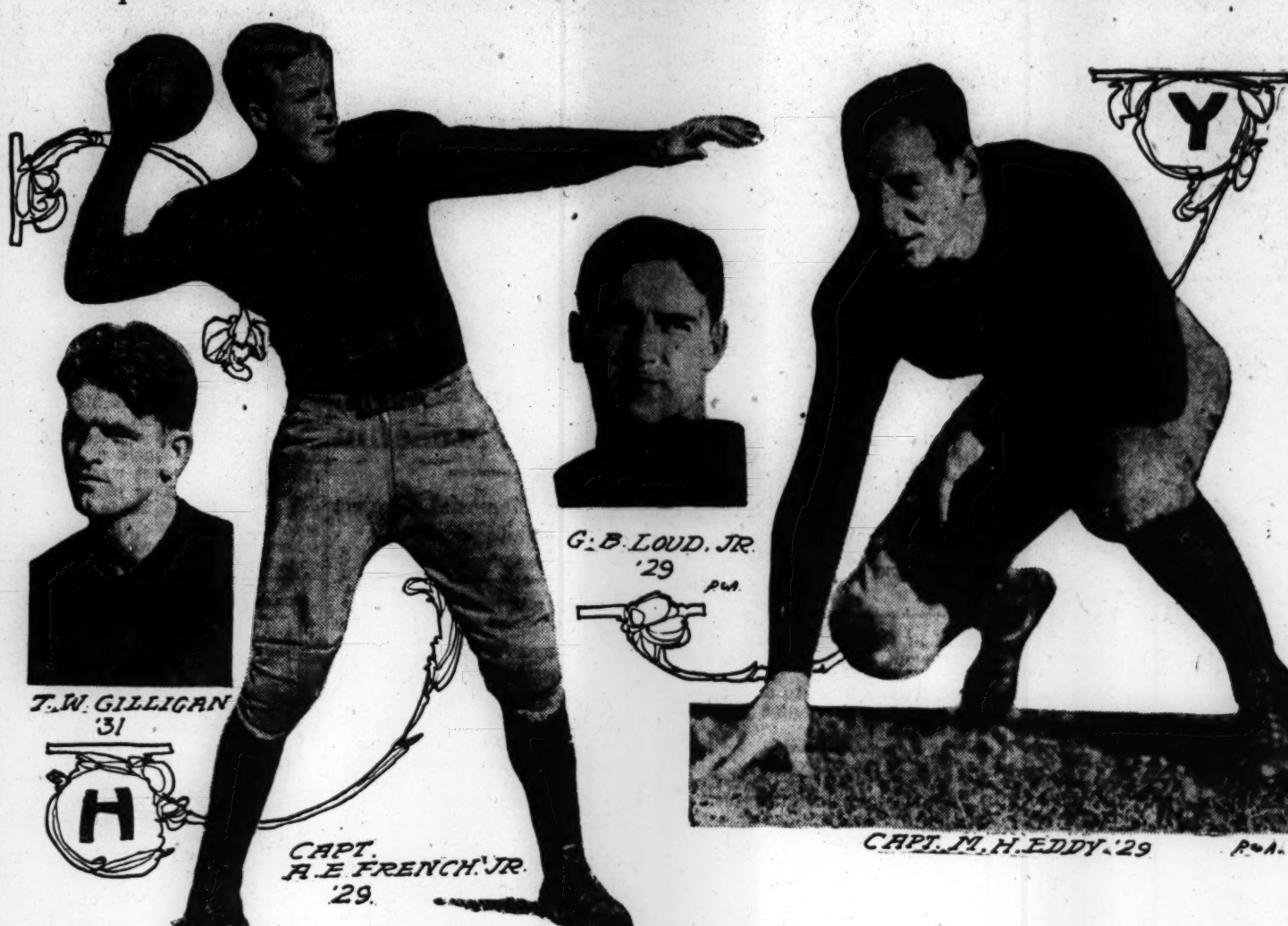
Last year Yale won by a score of 14 to 0. This year Yale is working under a new coach while Harvard is enjoying its third season under Arnold Horwath.

Yale's 21, M. A. Stevens '25 has succeeded T. A. D. Jones '08 as head coach at Yale and has carried on the Jones' system, with which he is very familiar, as he has been assistant to Jones during the past two seasons.

The Forward-Passing Game

That the game this week-end will be as hard-fought as any Harvard-Yale game is expected as the players on these two teams generally rise to

Expected to Shine in Great Harvard-Yale Gridiron Battle at New Haven



their very best when facing each other. Neither team has shown proficiency at throwing or defending against the forward-passing game, and the teams which have defeated them have made good use of that style of offense. Both Harvard and Yale are possessed of strong running plays; but in the absence of an overhead game, have been unable to make the most of their attacks because the opponents could concentrate on the running game. During the past two or three weeks, Harvard has been devoting considerable time to trying to develop a good forward-passing game, and should the Crimson succeed, it will make things more than interesting for Yale unless the Eli has developed a far better defense than it showed against Princeton.

Both elevens appear to be stronger defensively than offensively, and with the game as uncertain as it is today and upsets coming with surprising frequency, it is not surprising that the followers of the two elevens are probably more in doubt about the out-

come of the game than has been the case in several years.

A game of more importance, so far as the possible championship of the eastern section of the country is concerned, but which will not draw as large a following, is the one that will bring New York University against Carnegie School of Technology at Pittsburgh. New York, despite its 7-2 defeat at the hands of Georgetown, is unquestionably one of the best teams in the East, while Carnegie Tech has, by its seven straight victories, including games with such strong elevens as Washington & Jefferson, University of Pittsburgh, Georgetown and Notre Dame on successive Saturdays, proven its claim to being ranked not only as the possible champion of the East, but of the entire country. Surely a victory this week-end will come pretty close to giving it championship recognition in the East, while a defeat will deprive it of any such claim. Last year New York won, 20 to 6, but this fall's game takes place at Pittsburgh and the Tartans seem quite confident.

Princeton in Late Game

Princeton, for the first time in many seasons, has a game for the Saturday before Thanksgiving Day. United Naval Academy will be in Philadelphia and, while the Tigers have been held to a 0-0 tie by the University of Virginia and a 6-0 tie by Ohio State University as well as having only a 3-0 victory over Cornell, they will be looking for a high rating should New York win from Carnegie and they defeat the Midshipmen by anything like a decisive margin. Navy has been coming along well after losing their first three games in the season and the battle promises to be a very interesting one.

There are two intercollegiate games between eastern and western teams which should furnish some great baseball and draw big gatherings. Dartmouth, which showed a great comeback against Cornell last Saturday after having lost to Harvard, Yale and Brown in the previous Saturdays, will meet Northwestern University at Evanston, Ill. Northwestern's record for the season has been about as spotty as Dartmouth's. It helped put Minnesota out of the running for the "Big Ten" champion-

ship, treated Purdue the same way and then turned round and lost to Indiana.

The other East-West game brings University of Nebraska to West Point for its game with the United States Military Academy eleven. Nebraska has a very strong team this fall, its only unsatisfactory showing to date being its 0-0 tie with University of Pittsburgh. West Point, outside of the 12-0-5 defeat at the hands of Notre Dame, has also made a successful season.

CANADIAN PROFESSIONAL HOCKEY LEAGUE STANDINGS

| | W | T | L | Goals | For | Against |
|---------------|---|---|---|-------|-----|---------|
| Detroit | 4 | 0 | 0 | 13 | 4 | 8 |
| Niagara Falls | 3 | 0 | 1 | 10 | 7 | 6 |
| London | 2 | 0 | 2 | 6 | 10 | 4 |
| Windsor | 2 | 0 | 1 | 5 | 7 | 4 |
| Kitchener | 0 | 1 | 1 | 8 | 5 | 2 |
| Toronto | 0 | 0 | 1 | 8 | 11 | 3 |
| Hamilton | 0 | 1 | 3 | 7 | 10 | 0 |
| Buffalo | 0 | 0 | 2 | 8 | 8 | 0 |

OLYMPICS WIN FOUR STRAIGHT

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR. DETROIT—The Detroit Olympics scored their fourth straight victory in the Canadian Professional Hockey League here Thursday night when they defeated the local by a score of 5 to 3. The visitors scored two goals in the first period, the second goal in the second and third. Trophy for the winners scored one goal and had two assists.

WESLEYAN ELECTS BAGG

MIDDLETON, Conn. (AP)—Wesleyan University awarded major letters to 17 of its gridiron warriors Thursday night after which they elected James F. Bagg '30 of Mount Vernon, N. Y., as captain of the team. Bagg, who received letters from the team, was elected captain of the team. Bagg, who received letters from the team, was elected captain of the team. Bagg, who received letters from the team, was elected captain of the team.

PHILADELPHIA IN N. H. L.

PHILADELPHIA (AP)—Irving T. Winer, president of the Philadelphia Ice Hockey Club, announced Thursday night that this club would be represented next year in the National Hockey League. Winer stated that the two teams would be under different ownership, but that the seashore club would be used as a "farm" for the Philadelphia club.

RALESTON THE WHOLE WHEAT CEREAL

Sold at the Springfield Public Market. 1427-1429 Main St. Springfield, Mass. Buy your Thanksgiving Dinner here. Fresh poultry, fruits and vegetables—Note.

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Jeddo-Highland Coal exclusively. Mason's Materials. Tel. 3-6017. 278 King St. Springfield, Mass.

OAKLAND HILLS IS GIVEN TITLE GOLF

Women's 1929 Championship Later Than Usual

NEW YORK (AP)—The Oakland Hills Country Club, Detroit, Birmingham, Mich., has been selected for the 1929 United States women's championship by the executive committee of the United States Golf Association. The women's title will be decided over the course the week of Sept. 30, a week later than the corresponding 1928 championship.

The open championship next year also will be played later than the event, this year, the committee fixing June 27, 28, and 29 as the dates with the sectional qualifying rounds, June 10. The Winged Foot Club, Mamaroneck, had been previously designated for the open.

The annual meeting, when officers already nominated will be elected, will be held at New York, Jan. 10.

Prescott S. Bush, in announcing the action of the committee, said that no recommendation was made as to a change in the size and weight of golf balls, nor for changes in playing conditions of the amateur championship.

These questions may come up at the annual meeting. Indications have been that eventually a larger and lighter ball will be adopted. Recommendations towards a change has been made.

Findlay S. Douglas, New York, president-nominee, presided at the meeting of the executive committee. Others in attendance included Herbert Jaques, Boston.

PROVIDENCE OPENS AT HOME WITH WIN

CANADIAN-AMERICAN HOCKEY LEAGUE STANDINGS

| | W | T | L | Goals | For | Against |
|--------------|---|---|---|-------|-----|---------|
| Philadelphia | 2 | 0 | 1 | 10 | 8 | 5 |
| Boston | 2 | 0 | 1 | 9 | 4 | 3 |
| Springfield | 1 | 1 | 0 | 9 | 4 | 3 |
| Pittsburgh | 1 | 0 | 1 | 7 | 4 | 3 |
| New Haven | 1 | 0 | 2 | 8 | 13 | 2 |
| Newark | 0 | 0 | 2 | 4 | 8 | 1 |

RESULTS THURSDAY

Providence 1, Newark 0.

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR.

PROVIDENCE, R. I.—The Rhode Island Reds opened their home hockey season here Thursday night by defeating the Newark Bulldogs, 1 to 0.

In a hard-fought Canadian-American Hockey League match, Providence's 5,000 persons witnessed the game.

Hart scored the lone goal midway in the second period on a rebound of Chapman's hard shot, which brought Lamontagne to the ice. Larochelle and Murray fought for the major penalty in the league of the season in the third period. President Charles Clapp of the league and some and city officials were present. The summary:

PROVIDENCE: Harrington, Hart, W. Waanle, Garlepy.

NEWARK: Mondou, Chapman, C. C. Murray, Larochelle.

Gagnon, Cormier, W. Quenneville, Heller.

Paulhus, Langlois, I. D. McVicar, Coutu.

Willox, Langlois, I. D. Halderon, Coutu.

Murray, G. L. Halderon, Coutu.

Score—Providence 1, Newark 0. Goal—Hart.

Referee—Gerald Wiggitt and Harry Farlow. Time—Three 20m. periods.

CITY COLLEGE ELECTS BIENSTOCK

SPECIAL FROM MONITOR BUREAU.

NEW YORK—College of the City of New York has elected Bernie Bienstock '29 captain of the 1930 football team. The captain-elect was first-string quarterback on the last two C. C. N. Y. teams.

TANSEY TO LEAD NORWICH

NORTHFIELD, Vt. (AP)—Joseph J. Tansey '30 of Winchester, Mass., has been elected captain of the 1929 Norwich University football team. Tansey has played a guard position on the team for three years. He is the third successive Winchester boy to captain Norwich football team. The American League '29 is captain this year, while Roger Sherman was captain last season.

A revamping of the schedule will be necessary due to the new Massachusetts law, which permits Sunday baseball in Boston. The American League opens its season a week later next year in an effort to avoid much of the early season bad weather.

THOMAS ELECTED CAPTAIN

WILLIAMSTOWN, Mass. (AP)—Frank R. Thomas Jr. '29 of Brooklyn, New York, has been elected captain of the 1929 Williams College soccer football team.

EL OUAFT MAKES JUMP FROM THE DESERT TO BOARD TRACK

Career of Young Dispatch Runner in Colonial Army Reads Like Storybook—Life He Is Now Living Was Closed Book to Him Not Long Ago

Abdel El Bagmel El Ouaft is in Boston. About the name hovers an air of romance and visions of turbaned sheiks, Hindus, hot sands, and morose camels. But "El Ouaft" is more recognizable to sports followers as the name of the young Algerian who sprang into the limelight in the 1928 Olympics to win the Marathon race over the best of the young Americans.

At present sports followers are more interested in the Algerian's running ability than his name, although both are unique in the sports world. El Ouaft brings to the board track an unlimited knowledge of the running game, and he can run 26 miles as easily and as steadily as he can 10. There lies the secret of his success as a long-distance runner.

Discovered in 1924

Ouaft's career bears a close resemblance to that of the dispatch runner who raced from Marathon to Athens after the battle of Marathon when he learned of the Persian invasion.

His career was a storybook. Ouaft's career reads like a storybook. He was a poor boy and has never before known the luxuries that have been his since his advent in the United States where the best is none too good for his improved tastes. The life that he has lived in this country was to him a closed book before his prowess was shown in the Olympics.

Although formerly a strict vegetarian, due mostly to his poor circumstances, his meals in this country have included chicken and other meats. "He never looks at the price but just asks for what he wants," said William H. Pickens, who has charge of the tour that is carrying Ouaft around the country in a series of exhibition races. "And that is natural because all of his expenses are being paid."

Beats Ray in New York

Ouaft has what is called a "plugging" style on the track. It is best adapted to the longest distances. He is not a sprinter in any sense of the word as Ray is. His success comes from wearing down his opponent. His best mile has been clocked at 4m. 40s. and his record at Amsterdam for the 26 miles, 385 yards was 2h. 23m.

In New York in the opening race of

the tour he went the distance in 2h. 44m., beating Ray by more than three laps. There his success against Ray stops, for the American defeated him in three straight races since then at distances ranging from 20 miles down. Ouaft claims that he will defeat Ray Saturday, because his own style shows to the best advantage above 20 miles.

Ouaft's mother and two sisters live in Biskra and what money he expects to get out of his tour, about \$10,000, he hopes to use for their benefit.

Adapting himself to American conditions of running has been a great task for Ouaft. Although the heat of the enclosed arenas has meant little to him, accustomed as he is to the heat of the desert, the noise of the crowd and especially the noise of the boards banging against his feet has bothered him as well as the feel of the wood on his soles. In Morocco he had learned that shoes most of the time, but the soft, giving quality of the sand was far from comparable to the hard, tough surfaces of the indoor track. At the Boston Garden, they are planning to stretch a rubber mat around the track for the convenience of the Algerian, who will try to establish a world record at his favorite distance. This will be his fifth race in the United States.

ONSLOW TO ASSIST SPEAKER

PITTSBURGH, Pa. (AP)—J. I. Onslow, St. Louis National League baseball coach and a former Pittsburgh coach, said he had accepted terms to become assistant to T. E. Speaker in the management of the Newark Internationals.

Onslow was said to have requested his release from the Cardinals when he learned that William B. McKelvie had been displaced as manager. Onslow said he had an offer to coach for Walter P. Johnson at Washington, but that he had received the Newark bid first.

Onslow, who had been assistant to E. T. Collins was to manage the Baltimore Internationals next season.

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Bloomers, \$1.50 to \$4.95

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Smart Lamps..... From \$10.00 to \$100.00

Novelty Furniture (Unpainted)—Desks, tables, set chairs, bookcases..... From \$10.00 to \$35.00

For the Children—Dolls, Animals, Games, large assortment..... Prices 5c to \$15.00

Largest assortment of Christmas Cards we have ever carried..... Prices 5c to \$1.00

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Short Waves for Aircraft Likely to Be Abandoned

Army Tests Would Indicate Long Waves Still Offer Most Promising Field

In the last week or so in Washington there has been a report on reliable authority that the U. S. Army was preparing to give up short wave radio for aircraft communication.

Upon investigation, it was further learned that while no official statements on this vital subject were to be obtained from the usual sources of information, there was at least this much to be said about it; that after many experiments lasting through a period of some months with the so-called "flying laboratory" established in a Fokker plane equipped with various installations, Capt. Paul S. Edwards is said to be convinced that the short wave is hardly applicable to the needs of the army pilot.

An important radio conference was recently concluded at Wright Field, Dayton, at which time it was announced that "nothing radical" had been decided upon for the army program in aircraft radio communication of the coming year. However, it is stated by experts in touch with the matter that the net result of the investigation in this difficult field of radio exploration has caused them to feel that high frequency has no place in radio in its present stage of development and lack of reliability, for aircraft.

The United States Navy appears to have arrived at this same decision some little time ago, but the situation there is rather different in that there is also the problem of "staying with the fleet." It has millions of dollars invested in its equipment out on the high seas, and needless to add, this cannot be scrapped with every slight shift of the radio tide.

Consequently it is essential that the navy maintain a firm foothold in the low wave communication system, while it is carefully feeling out and testing the new field in the short wave. This has meant that while two schools of radio thought in the navy have been decidedly opposed to one another as to the advisability of the high frequency over the so-called "low" frequency installation, the advantage has remained chiefly with the latter in view of its proved reliability.

Thus the navy is "sitting tight" on short waves so far as aircraft is concerned, and outside of some five or six sets that are on order, is prepared to say it with a lot of watchful waiting. Incidentally, there used to be the ancient idea that with the short wave, you saved a lot of weight and that this was going to be a price-less boon to the pilot.

Unfortunately, as one aviator expressed it, everyone had gone off "half-cocked" with the idea that "with one-third the weight you get around three times the range" when that was not the way it worked out, at all. In fact, the navy found that sometimes the high frequency transmitter weighed even more than did the low frequency transmitter.

Moreover, in considering any aircraft outfit, there is always the radio generator to be counted right in with the weight. The only difference worth talking about is the smaller coil in the tuned circuits and fewer plates; that is, for the normal frequencies around 3000 kc. or so.

Case of the Bremen

On very long flights, with fuel a steady problem, a low frequency installation is prohibitive. Baron Huenefeld told on his trip here in the spring that a set weighing some 120 pounds had been ready and at the last minute put aside because they were afraid of that extra weight on the Bremen on the hop across the Atlantic.

A low wave set of 20 k. w. simply could not be placed in one of our ships on account of the size, thus the pilot accepts a lot less reliability in favor of the high frequency outfit, on the long flight across the water.

It is unfortunate that so few amateur radio enthusiasts seem to have taken to the air, as yet. Real experts in this difficult field are extremely limited in either the army or navy air services. In fact, they may almost be counted on one hand, and the writer knows only six or eight men in either service who are skillful pilots and radio technicians as well. This would seem to bring the problem right back to the amateur for solution. It is he who has solved problem after problem, after the noted men of natural science have failed. The government experts have the money and the laboratories and the amateur has the enthusiasm and the patience.

At Luke Field, out in Hawaii, a

couple of years or so ago, pilots were testing out some of their theories on short wave transmission with a bit of wire and copper rods. It was found possible to work with a two-meter copper rod, which had been divided in the center by insulation, and strapped to a strut of the plane. Connection was made to a single tube transmitter. . . the problem was to try to control this outfit.

Europe has settled the problem on her continental airways by the use of the reliable low wave, or medium frequency, with substantial installations operated on each ship by well trained radio men. Tests are under way in both Germany and France on high frequency, but these are regarded as experiments that are interesting, but not yet safe for general use on commercial air lines.

Our trend in America has been toward the lighter type of aircraft, and study has been along lines in the new field of the short wave, because it was felt it had tremendous possibilities over great distances. But it is obvious that if the United States may hope to compete with the safety records of the foreign civilian transportation companies, she must adopt methods that have proven their worth, in radio aircraft communication.

ADVERSE TELEVISION PUBLICITY DEPLORED

Of greater importance to the future of television than the solution of its technical problems, than radio-casting co-operation, than even the production of inexpensive and satisfactory equipment, is public opinion, according to Charles Golempoff of the Clorast Manufacturing Company. He states:

"We understand that certain manufacturers are engaged in spreading propaganda to dampen such enthusiasm as may exist for television. If so, such practice is to be deplored. Our own engineering staff has spent month after month in television research, and we are fully aware of the many technical problems that stand in the way of a commercial solution. Nevertheless, we feel that television, as it exists today, is not very different from the early days of radio-casting, when programs and reception may have been 'impossible' as judged by present-day standards. It will be necessary to approach in a way which can never be approached in our highly perfected radio-casting of today.

Television, we grant, is only an experiment. The present equipment is still far removed from anything approaching the commercial stage. It will be years before we have anything approaching our radio-casting achievement. Nevertheless, we contend that the thrill of receiving a moving picture through space, no matter how crude, no matter how troublesome, and even no matter what it may cost, offsets all other considerations. Furthermore, it is through the untiring efforts of experimenters that we shall attain ultimate perfection in television. Radio history is certain to repeat itself.

KEEP EDUCATION OUT OF POLITICS, IS PLEA

SPECIAL FROM MONITOR BUREAU

NEW YORK—An appeal to President Coolidge to bar politics from the office of the Commissioner of Education has just been made by a group of American educators, Dr.

Frederick B. Robinson, president of City College, has announced. The letter was authorized by the executive committee of the American Council on Education, at a meeting held recently, Dr. Robinson said.

"The office is not in any sense political," the letter says. "It has no relation to party politics. The tenure of its incumbent should be unaffected by changes of national administration. Only once in the last 40 years has it been treated as political spoils. The educational profession is convinced that this general tradition of the political invariability of the commission should be sustained."

ANTENNA SOLUTION FOR RADIO FADING IS TRIED IN TESTS

SPECIAL FROM MONITOR BUREAU

WASHINGTON—Varying results attained with various antennas are discussed briefly in a preliminary discussion of radio fading in the broadcast range issued by the Bureau of Standards on the basis of investigations conducted during several months past to determine the factors contributing to fading.

Special apparatus utilized in conjunction with radio receiver sets makes it possible, says the bureau, to secure graphic records of the increase and decrease of signal strength, such as commonly experienced when listening to programs from distant stations at night.

This apparatus, sufficiently sensitive to indicate variations smaller than the ear can detect, was used, with receiving systems employing different types of antenna to analyze the manner in which waves transmitted from a broadcasting station arrive at the receiving antenna.

"The results," said the statement, "may be interpreted to mean that the waves do not reach the receiving antenna in the same position relative to antenna in which they start—that is, their plane of polarization is changed. This change only takes place when the wave has been reflected. Several reflections from different points may take place, resulting in there being at the receiving stations two or more waves which started at the same time from the transmitting station and have traveled very different paths before reaching the receiving station."

JOSE VASCONCELOS WILL RUN IN MEXICO

BY A STAFF CORRESPONDENT

LOS ANGELES—José Vasconcelos, Minister of Education in Mexico under President Obregón, left here recently to establish a residence at Nogales, Sonora, in order to be eligible for presidential candidacy in the campaign for a successor to Portes Gil. Señor Vasconcelos has for five years been a voluntary exile from Mexico as a protest against election bloodshed, when he was a candidate for the governorship of Oaxaca, his native state. Mexican law requires that he be an actual resident of the country a full year before the presidential election. During his exile he has traveled widely and was recently a lecturer in American universities.

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Sale "Onion" Pearls—\$1 to \$5

Sale Banjo Clocks—\$7.95

Radio Program Notes

PAULA GARTIN, who wrote "Princess of Love," the waltz the "Princess of Wales" said he liked best of all those he heard during his memorable visit to America, has written a new song, "By the Opal Sea," especially for the Jeddo Highlanders. This song will open and close the program by the Highlanders which will be broadcast through WJZ, WBZA and WBZ, Wednesday evening, Nov. 28, at 7 o'clock, eastern standard time.

Frederick Wyatt, harpist soloist, presents the old Welsh air, "All Through the Night," and "Lollita," by Buzzi-Pecchia; while Stefano di Stefano, harpist, will play "Concerto," by Oberthur.

"Jack-in-the-box" is a bright orchestral piece; Johann Strauss' "Blue Danube Waltz" is still famous as a dance tune, and "Laces and Graces," by Bratton, is a reminiscent piece of an earlier age.

Continuing their mirth-provoking weekly programs from Station WIP, Gimbel Brothers in Philadelphia, on Wednesday evenings, from 8 to 9 o'clock, the Wanderers' Male Quartet will introduce to their radio listeners several brand new numbers that promise to be, if possible, more amusing than any presented so far.

To offset the musical nonsense of the Wanderers, the Four Hawaiians, who also appear on this period, will continue to delight their radio listeners with their unique interpretations of the music of the South Pacific Isles.

All of the festivities on the eve of the Penn-Cornell football game will be broadcast as a part of the Koleser Radio Hour in co-operation with College Humor Magazine, at 10 o'clock, eastern standard time, Wednesday evening, Nov. 28, through stations of the Columbia Broadcasting System.

The major portion of the program is to be given in Irvine Hall on the University of Pennsylvania campus in Philadelphia, where there will be assembled the University of Pennsylvania Glee Club, consisting of 160 voices, and many of the students for their pre-game "pup" rally. Prior to all big and important games the students assemble on the eve thereof, sing college songs, give cheers, and in other ways build up the confidence of the student body.

Lou Young, the coach of the University of Pennsylvania football team, will be on hand to give his opinion of the result of the game on the following day, and it is thought possible that if the training table rules allow, some of the players will be on hand to say a few words.

This is the first time on record that the radio audience has been permitted to listen in on one of the pre-football game rallies, and marks a new and interesting experiment in the development of radio-casting.

Radio-casting this program are WOR, WJAZ, WEAN, WFBL, WMAK, WCAU, WCAO, WJAS, WAUC.

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WKRC, WGHP, WMAQ, WOWO, WSPD, WHK, WLWB, KMOX, KMBC and KOIL.

No movement along artistic lines has created more widespread interest or commanded more general attention than has the "Little Theater" idea which has seemingly swept its artistic way into many communities. Baltimore has several such groups, among the most successful being the Play Arts-Guild, and the announcement that its director, Thomas Morris Cushing, will give a talk over WBAL on the subject of the "Little Theater" will no doubt be of general interest. This 15-minute talk will come on the air from WBAL at 3:15 o'clock, Nov. 28.

A program of unusual interest made up exclusively from the works of Richard Wagner is offered as the weekly La Touraine Tableau through the NBC, on Wednesday evening, Nov. 28, at 7:30 o'clock, eastern standard time.

"Forest Idyll" (Sounds of the Forest) is from Wagner's "Siegfried"; "Ride of the Valkyries," from the master's great descriptive pieces. Gentler operatic music is found in "Song to the Evening Star" from "Tannhauser" and in the "Swan Song" from "Lohengrin." These pacific pieces give way to a violent storm in the "Flying Dutchman" overture, and the program closes with the "Prize Song" from "Die Meistersinger."

Lewis James, tenor of the famous Revelers quartet will be heard as guest artist with Herbert Borodkin, cellist, as assisting soloist.

Stations associated with the NBC for La Touraine Tableaux are: WEAF, WEEL, WTIC, WJAR, WTAE, WCAE, WGY, WGR, WCAE, WJW and WTAM.

A group of Norwegian folk songs will feature a recital to be broadcast over WBAL, Baltimore, on Wednesday afternoon, Nov. 28, at 2 o'clock, eastern standard time. She will present these songs in her native language, and will include some lullabies and folk songs which she was accustomed to hearing while in the old country. She will also sing several other numbers that will include old and modern favorites. This recital will be on the air from 3 to 3:15 o'clock, eastern standard time.

For Wednesday, Nov. 28, the eve of Thanksgiving Day, a program of ex-

clusive interest has been arranged for the Palmolive Hour, broadcast over the NBC at 9:30 o'clock, eastern standard time.

"I Can't Believe It's True" will be the soprano and tenor duet of Olive Palmer and Paul Oliver, and the popular coloratura's solos are "Cara Nome" and "La Paloma." Paul Oliver will also sing "My Jean."

Other solos will be "Waters of Minnetonka" by Elizabeth Lennox; a baritone solo, "On the Road to Mandalay," and "Rondo Capriccioso" of Mendelssohn, played as a piano solo with orchestra accompaniment. There will be the usual guitar, saxophone and specialty orchestra novelties.

The Revelers will sing "Plodding Along" and "Wistful and Blue" and the ensemble will open the program with "For You and Me" following later with "Cingolee" by Moret, and "Steamboat."

WEAF, WEEL, WCHS, WTAE, WJAR, WTIC, WGY, WGR, WCAE, WLIT, WRC, WBT, WSB, WJAX, WSM, WMC, WHAS, KPM, WOL, WFAA, KVOO, KSD, WDAF, WSAI, WGN, WTAM, WWJ, WOW, WTMJ, WCCO and KOA will transmit the Palmolive Hour.

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"Static" Car Gets Hero's Welcome

Conqueror of Man-Made Interference Royally Greeted by Port Arthur

Huge welcomes may have been extended to those heroes who conquered the Atlantic and Pacific Oceans on their adventurous flights, but the enthusiasm per person could hardly have exceeded the welcome extended by a Canadian city to the first government interference car which sailed into its midst in a solo flight to conquer "man-made static."

Car number 16, the latest addition to the fleet, is at present in northern Ontario, where it is clearing up trouble for northern listeners. This car, which is equipped to eliminate all inductive interference, started out recently from Toronto with one of the government radio engineers who recently returned from the Hudson Straits, as interference engineer. From Toronto north to North Bay.

De Rivera Gives Solomon's Judgment on Rival Claimants to Canaries' Capital

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

MADRID—The visit of Gen. Primo de Rivera to the Canary Islands, traveling from Cadiz on board the gunboat Dato, aroused a great deal of interest among the inhabitants. Fêtes of an unprecedented nature were organized and the lack of suitable music for such an auspicious occasion had been met by the dispatch from Spain, at a cost of 90,000 pesetas, of the Municipal Band of Madrid, which took part in the celebrations.

One of the principal reasons why the general decided to undertake this voyage is the rivalry between Las Palmas and Santa Cruz de Tenerife, the former aspiring to the status of capital owing to the slowness of official procedure when the central authorities had their seat

THE HOME FORUM

Happy Ever After

Shakespeare's Economy in Use of Color

Nor did I wonder at the lily's white,
Nor praise the deep vermilion in the rose;
They were but sweet, but figures of delight,
Drawn after you, you pattern of all those.

IT IS astonishing, when one comes to a closer study of Shakespeare, to find how few direct references he makes to color. Thinking over the use of color in poetry, lately, I wondered why I could remember so few examples of out-and-out reference to distinct blue or green or yellow in Shakespeare's words. "Come unto these yellow sands" danced into my thoughts at once, and somewhere, I remembered, there was a reference to "lily lips," "eyes green as leeks," a "cherry nose" and "yellow-cowslip cheeks" (a comic passage this, of course). I remember, too, Perilla's flowers and Ophelia's garland where color is implied but not specifically mentioned. Having thought over the question for a day or two, bent upon investigation, I at last went to my bookshelves and took down a little vellum-bound copy of the Sonnets and Songs which because of its old ivory and gilt ribbons seemed more fitting for my purpose than the ragged russet brown edition of the Plays in which I am used to read. Opening the book at random, in search of the color effects which I imagined must be there, I straightway came upon the lines quoted above, which I think explain why there are few direct references to color, not only in the sonnets but in the whole of Shakespeare's dramatic writing.

Color in Shakespeare is always subservient to other things: if the Moor has "a sooty bosom," if England is "that pale, that white-faced shore," or if even a little flower is "purple," the coloring is dramatic coloring and chosen for its dramatic value in the mouth of the speaker. This is, of course, as it should be, for it is only the artist, or, at any rate, the potential artist, who stops and stares at color because it is color, noting the blue of a checked shawl, or the gray of a cloud's line; ordinary people do not do this, but take color for granted, and since Shakespeare was not speaking through the mouths of artists, but presenting ordinary men and women, he must only look at color through their eyes; sure as we may be that he lost nothing when looking at it with his own, so, in his general use of color he is vague enough, following the ordinary precedent more than one would have thought possible, leaving autumn leaves look "pale," walls be "gray," just as any one of us might have done. Even in his sonnets, which may be presumed to be personal utterances, outright color is far to seek; and though there is a feeling of color in the beautiful thirty-third, where we read of the morning sun "gilding pale streams with heavenly alchemy," and in the seventy-third, which has been named Quator Novissima, with its "yellow leaves, or none, or few"

that hang upon the boughs, its fading sunset and black night and "glowing of such fire that on the ashes of his youth doth lie"; these sonnets are exceptions to his general rule. Maybe the poet would even, like his Holofernes, have said, "I do fear colourable colours." At any rate the nearest approach he makes to insisting upon color is when describing dogs or horses; then he might be a "fancier" so explicit does he become with, "How does your fallow greyhound, sir"; while his obvious delight in describing a horse as "of the colour of the nutmeg," or "a roan, a crop eared" is evidence that he particularly noticed the color of horses.

It is, as one might expect, in his country plays that Shakespeare makes the most use of color. All his pictures are little pictures—just a word or two and the scene is before us.

"The morn, in russet mantle clad,
Walks o'er the dew."

Spring is here

When daisies pied and violets blue
And lady-smocks all silver-white
And cuckoo-buds of yellow hue
Do paint the meadows with delight.

If he meets a peddler his glance takes in his colorful wares:

Lawn as white as driven snow;
Cypress black as drier was crow;
Gloves as sweet as damask roses;
Masks for faces and for noses;
Bugle bracelet, necklace amber,
Perfume for a lady's chamber;
Golden quoits and stomachers.

Short and accurate is Shakespeare's rule for coloring. With absolute accuracy in bird lore, he presents us with the halcyon, blue, The ouzel-cock so black of hue,
With orange-tawny bill. . . .
The finch, the sparrow, and the lark,
The plain-song cuckoo grey.

When speaking of plants and flowers, though he has observed "the pale primrose," "pease blossom," "winking Mary buds that ope their golden eyes," blue bilberry, brown hazel and the little purple love-lidleness, it is to the yellow cowslip alone—flower of his childhood in green Stratford meadows—that is accorded the honor of a detailed description: these sweetest blossoms of the English spring being made denizens of Titania's realm:

The cowslip calls her pensioners be
In their gold coats spots you see;
Those be rubies, fairy favours,
In those riddles live their savours.

When he makes his women mention color, he becomes a little more critical of it, and so we get, "I like the new fire . . . if the hair were a thought browner"; and we are told how a gown made of cloth of gold has "its skirt 'underborne with a bluish tinsel'."

Generally speaking, it would appear that Shakespeare's colorfulness arises, not from the mention of color, but from his constant allusion to moving and colored things—to a candle, apricots, peapods, a mushroom, moonshine, feathers, a tiger, a cock, a crown, cherries, an owl, a cynnet, a holly tree. He himself tells us that it was not his wont

To gild refined gold, to paint the lily,
To throw a perfume on the violet,
To smooth the ice, or add another hue
Unto the rainbow, or with taper-light
To seek the beauteous eye of heaven
To tarnish;

and adds, that to do all this would be wasteful and ridiculous excess. Such economy he praised, and, in his own use of color most certainly practiced.

G. T.

A High Compliment

Garrick's universality gave him pre-eminence over every other actor. In transient and occasional bursts of passion Mrs. Siddons went often beyond him; but it was in such only that she excelled him. In both, the pretence of being a sort of involuntary or unconscious instrument of feeling or passion was four-fifths affectation. Garrick talked of his feelings, which Samuel Johnson felt, saying, "A puppet has no feelings." . . . Garrick had certainly the feeling of his part in a strong degree, which art and taste, however, could control. He used to show to his mate friends his manner of acting certain parts of plays, and asked the certain spectators coolly if that was right or if another way of doing it was better; this shows the difference of the mimetic from the real feeling. Yet he and Mrs. Siddons used to sit alone before going on the stage, to muse in solitude and silence the feeling of their part. . . .

I heard a high compliment unconsciously paid to Garrick. . . . I was in London soon after he returned from Paris, when his acting, improved in propriety and grace, was certainly at the best. I went as often as my leisure would allow to see him, and always sat in the pit, placing myself near some new inhabitant of London (if I could discover such) with whose naive observations I might be entertained. One night when he was playing Archer to good dull Mr. Harvard's Almswell, I placed myself next to a man who from his plain country dress, his boots and heavy wily seemed recently arrived from the country. I asked him how he had been entertained. "Oh, admirably," replied he, "but if I don't confess it, I should say I think the actor who played the servant (Archer) the better of the two," convinced, like Partridge, that the part of higher rank must be assigned to the most gaily, with their skirts of blue and red, their trees of glittering sparks. From "The Anecdotes and Epigrams of Henry Macleod 1745-1831." Edited by HAROLD WILLIAM THOMPSON.

The dancing, flickering, changing gleam and shade,
Made rich the gathering dusk one winter day,
And merry, unexpected shadows played,
And whisp'ring firelight had its cozy way.

Then was the 44th hour; the children heard
In earnest quiet an oft-told tale once more,
Still dearly loved and followed word by word,
With interest rapt and thrilling as before.

The cheery flames leaped high as if to woo
The nodding shadows, and the mother smiled
With sudden-looked joy, as if she too
Could see the sunlit pathway of a child.
She said: "Dear children, you are right. 'And they
Were happy ever after,' all the way."

F. E. RUCK.



Summer Evening. From an Etching by Arent Christensen.

A Game of Chess

"Your play, old boy!" said Monsieur Stanislas Dubois.

Old Jean grunted and shoved his Basque cap down over his left ear. Around them spread the spacious peasant-like living-room, with white-washed walls, and rough wood furniture that the industrious Monsieur Dubois had himself shaped and doweled and put together. A vast fireplace in the good old style, full of crackling fagots, lit the whole scene from the hearthstone level. Against the panes, lacquered black by night, the rain danced its thousand-footed dance.

Three consoles of plain white wood supported the round bulk of three rustic red earthen jars. In the centre of the room stood a large table. Two smaller ones, covered with coarse woollen cloth of a pale blue, faced each other at opposite ends of the fireplace. On these little tables, two small copper lamps were burning.

Helene was seated at one of them, with papers, books and a long goose-quill pen, that was racing over a notebook. At the other table, sitting face to face, with their feet tucked under their low stools, the former tribune and his foster brother were playing chess.

It was a spacious chessboard and a very fine one. An Asiatic prince had presented it to the statesman in the old days. It was probably the only relic that he had preserved of his transient power. All the chessmen were of pure ivory. Big elephants, with their trunks raised for battle, bore the castles. The knights, clad in fine, ingeniously wrought armour of golden plates and golden helmets, rode with bent bow, on prancing horses. The king and queen were incrustated with tiny precious stones, and gilded like idols.

Old Jean found them so marvellous, and even now, after all these years, eyed them with such admiring glances, that it was by no means certain that he did not worship them in secret. He handled them with such a hesitant respect that the game, which in any case must be played slowly, became under his fingers as indefinite as Penelope's weaving.

This evening, Monsieur Stanislas Dubois was winning. Everything indicated that his gleaming spectacles, his ill-restrained little starts of triumph, the commanding manner in which he moved his pawns and his pieces. At this moment he was pushing his adversary hard, with a pawn between thumb and forefinger and his elbows raised, like a pigeon about to flap his wings.

"Double check on the queen by both bishops," he said.
His opponent, meditating some skilful counter-stroke, maltreated the everlasting little Basque cap, and fell into an abyss of meditation.
The flames of the open fire danced triumph, slow and becomingly, with their skirts of blue and red, their trees of glittering sparks. From "The Gay Dreamers," by ROGER DEVIGNE.

IN ALL Mr. Christensen's plates, etching is combined with aquatint in such a way that the purity of line is never lost, while the aquatint imparts a softness, a romantic glamour and a background in a manner impossible with pure etching—a style admirably fitted for the decorative and romantic subject which the artist prefers.

In the plate shown here, "Summer Evening," the artist has composed a delightfully decorative pattern, and at the same time has instilled into it the peace and quiet, the soft glow that comes after the sun has set on a glorious day in Provence.

Although Mr. Christensen's work is not as yet well known in America—a fact which may be attributed in part to the current disfavor in which the medium of aquatint finds itself—this cannot be said of his work in Europe, where his prints have been exhibited in a dozen countries, and where his work has been purchased by many museums, including such famous ones as the British Museum, the Victoria and Albert, and the National Gallery in Oslo.

Mr. Christensen is a young man, and has been etching for only a few years, so we may look forward to hearing a good deal more about him in the future.

Treasure-Trove

Our ancestors were careless creatures. They dropped their things about in every nook and cranny, or so late dug up a thousand years or so later and put into museums. They let their money fall out of their pockets or their purses, or wherever it was kept, in those days, and it became "treasure-trove." Treasure-trove now, as it has been for many a long year, is the property of the Crown, while money found on the surface is the finder's. There are tales of buried treasure everywhere, buried or dropped in times of stress, the tradition remembered, the place forgotten.

"Between the wet ground and the dry
The gold of Fairlie doth lie."

Sometimes the plowman, plowing, turns a silver coin up from the earth, or a rude unearthly "crock of gold." The Romans dropped their coins about most. You can never tell where they will be. A small boy dug some up in a London suburb not long ago—what joy for him! Could any boy ask more? Think of the Romans of those vanished days, who trod the earth at Muswell Hill, the London suburb, who buried all those coins, or dropped them onto the ground which swallowed them up. But Roman coins and Roman pottery are not all the things that may be found. The Roman women lost their hairpins and their brooches and their combs, and the little Roman children left their toys behind for the children of today to gaze at. There is medieval and Elizabethan coinage too, but they did not scatter things about as did the Romans, and not even the Saxons were so lavish. The Romans have left us the true "treasure-trove."

Anpassungsfähigkeit

Übersetzung des auf dieser Seite in englischer Sprache erscheinenden christlich-wissenschaftlichen Aufsatzes

WIE leicht sind wir geneigt, zu wünschen, daß unsere Umgebung oder unser Bekannter sich vollständig ändere! Denn wir glauben bestimmt, daß nichts Geringeres als unser Glück vermehren werde. Wir sind überzeugt, daß wir die Sklaven der Umstände seien.

In diesem Zusammenhange sei eine wertvolle Lehre erwähnt, die die Beobachtung der verschiedenen Umstände bot, wozu ein gewisser schöner Baum gedient. In einer gewissen Gegend wächst die australische Kiefer in sonnigen Wäldern, wo sie sich nach jeder Richtung ungehindert ausbreiten kann. Nicht weit davon dient derselbe Baum in kleinen Gärten als, absonderliche Zierde. Jeder schon gewachsene, nach oben strebende Schößling wird beschitten und gezwungen, so zu wachsen, daß der Baum die Gestalt einer Kugel, eines Pfahms mit ausgebreitetem Schwanze oder einer anderen selbst natürlichen Wäuche fremde, absonderliche Form annimmt. Trotz dieser recht das Wachstum des beschatteten Baumes so ununterstützt, wie sie sich nach jeder Richtung ungehindert ausbreiten kann, nicht weit davon dient derselbe Baum in kleinen Gärten als, absonderliche Zierde. Jeder schon gewachsene, nach oben strebende Schößling wird beschitten und gezwungen, so zu wachsen, daß der Baum die Gestalt einer Kugel, eines Pfahms mit ausgebreitetem Schwanze oder einer anderen selbst natürlichen Wäuche fremde, absonderliche Form annimmt.

Die Menschen sehen sich vor verschiedenen Fragen gestellt. Die einen seufzen nach Einsamkeit, während sich andere nach der Zusammenarbeit des Gemeinlebens sehnen. Würde jede Laune der Sterblichen befriedigt, erfände dann der Sinn der Unzufriedenheit nicht bald ein anderes Hindernis, um ihr Wachstum dadurch zu verleiern?

Denen, die sich verlassen fühlen und mit einem Gefühl der Einsamkeit ringen, offenbart die Christliche Wissenschaft den Trost des Verweilens bei freudigen, wahren, selbstlosen Gedanken, bei gelassenen Ideen, die die Genügnung umwandeln, schlummernde Fähigkeiten erwecken und das tägliche Leben mit Schönheit erleuchten. Wenn wir uns auch noch so einsam fühlen, wenn unsere sehnlichsten Hoffnungen auch noch so oft enttäuscht werden oder unsere zärtlichsten Wünsche unerfüllt bleiben, die Christliche Wissenschaft bringt uns die Versicherung und den Beweis, daß wir als die Ideen Gottes mit dem göttlichen Gemüt eins sind, und daß wir unserem Vater-Mutter-Gott geliebt nahe und teuer sind.

Das göttliche Gemüt hat für jede einzelne Idee einen Zweck, und jede geistige Idee ist göttlich befruchtet. Ihren Einzelzweck zu erfüllen. Wir brauchen also, wo immer wir uns auch befinden mögen, nur diese Wahrheit zu verstehen und die Augen zu öffnen, um die Gelegenheiten zum Licht, und alle leben in Gott, dem

Guten, der durch selbstlose Beweggründe angetrieben wird, jeder, der nach Vollkommenheit strebt, trägt den Ehemann und zur Schönheit des vollkommenen Ganzen bei, so daß er seine Aufgabe unter seinen Mitarbeitern in einer Fabrik oder auf einem einsamen Vorposten ausführt.

In den engen Beziehungen des Gesellschaftslebens brauchen wir uns nie im Denken gefesselt zu fühlen; denn jeder drückt irgend eine gute Eigenschaft aus, die wir selber vielleicht noch nicht bekunden, und wir können, selbst in aufgezogenem Zusammenhange mit unseren Mitmenschen, mehr von Gott, dem Guten, lernen. Die Ideen Gottes können einander nicht beunruhigen. Eignen, berauben oder hindern; denn geistige Ideen sind eins mit ihrer göttlichen Quelle, daher göttlich vereint, und alle leben in Gott, dem

Adaptability

WRITTEN FOR THE CHRISTIAN SCIENCE MONITOR

MANY of us are tempted to wish that our environment or companionships might undergo a complete change, for we feel sure that nothing short of this will increase our happiness. We are convinced that we are the slaves of circumstances.

In this connection, a valuable lesson was learned through noting the various conditions under which a certain beautiful tree flourishes. In one section the Australian pine tree grows in sunlit woods, free to expand in all directions. Within a short distance this same tree is used as a small ornamentation in small gardens. Every tapering shoot, as it presses upward, is clipped and trained so that the tree may represent a sphere, a peacock with outspread tail, or some other fancy shape, foreign to natural contour. Yet the growth of the clipped tree is as continuous, its coloring as bright, and its stem as upright as in the case of the tree in the woods.

In another place this same Australian pine is trained to grow in horizontal lines, in order that it may form a dense hedge, only a few feet in height, for the protection of tender flowers planted within the sheltered garden. The boughs are brought into co-operation with each other, the result being a pleasing, unified appearance.

Mankind is confronted with different problems. Some are seeking for solitude, while others crave the companionship of community life. If mortals had their every whim gratified, would not the sense of discontent soon invent some other hindrance with which to thwart their growth?

To those who seem forlorn, struggling with a sense of loneliness, Christian Science reveals the comfort of dwelling with joyous, true, unselfish thoughts; with spiritual ideas which transform the disposition, awaken latent capacities, and illumine daily life with beauty. However alone we may seem to be, however often our keenest hopes are disappointed, our tenderest desires pruned, Christian Science brings us the assurance and the proof that we, as God's ideas, are one with divine Mind, and that we are spiritually near and dear to our Father-Mother God. Divine Mind has a purpose for each and every idea; and every spiritual idea is divinely endowed with the capacity to fulfill its individual purpose. Wherever, then, we find ourselves placed, all we need is to understand this truth, and to open our eyes to see the opportunities for good which are always present.

Others, who are living in crowded communities, faced with problems of competition, overproduction, the sharing of small quarters and enforced associations foreign to personal choice, may well ask themselves the question, under such conditions, what kind of hedge can we build? Shall we resent friction and pull against our associates, leaving un-

slightly gaps through which the winds of criticism and antipathy may blow to blight the flowers of happiness and success? Or, shall we prove that our true interests are interwoven, and that we must always look for what is best in our brother, and in ourselves, and use all the good qualities co-operatively?

Whatever is good is always a unifying influence. It is only the belief in evil which separates and prevents mutual progress. Shall we learn a lesson from the pine tree, which continues to grow contentedly although it seems to be no longer a single tree, but just part of a hedge? Shall we keep growing Godward, and unify our efforts in a sincere desire to glorify God and serve mankind? Teachers and pupils, employer and employees, factory workers, church members—all may look to God, divine Mind, for patience, intelligence, wisdom, accuracy, and humility in the performance of their daily tasks.

The bristling twigs of irritability, the withered boughs of self-interest, the rigid shoots of ambition that thrust aside a struggling brother, must be pruned away that the perfect model of Godlikeness may appear; and in the perfect plan of creation, each one is indispensable. Everyone who is animated by unselfish motives, everyone who is aiming at perfection, contributes to the symmetry and beauty of the perfect whole, whether his talent be carried out on a factory bench among his fellows, or in some solitary outpost.

In the close associations of business life, we need never feel mentally cramped; for everyone expresses this or that good quality, which we, perhaps, are not yet manifesting ourselves; and we can learn more of God, good, even in enforced association with our fellows. God's ideas cannot distress, annoy, rob, or hinder each other, for spiritual ideas are one with their divine source, hence divinely united; and all are living in God, the one infinite good. Through obeying the teachings of Christian Science, we may perceive this spiritual good, which is manifested in improved character, serenity, impartial courtesy, and kindness.

In the Christian Science textbook, "Science and Health with Key to the Scriptures," Mrs. Eddy says (p. 520), "Growth is the eternal mandate of Mind." There is, then, never a moment, a circumstance, or an environment, in which all may not grow in Godlikeness, and expand toward the full expression of their spiritual heritage, "that they might be called trees of righteousness, the planting of the Lord, that he might be glorified."

(In another column will be found a translation of this article into German.)

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Household Arts and Crafts

Festive Table Themes

By HELENE VOLKA

TO THE hostess who has time and means at her command, and also the gift for assembling things smartly for decorative schemes, two new ideas are presented for the beautifying of the dinner table, both of them appropriate for Thanksgiving or Christmas. The first, the all-white theme, makes a special appeal because of the many all-white table details which are being imported in high-glaze porcelain. These accompany the all-white dinner sets of modernistic type which have recently captivated those European hostesses who are intent about finding dramatic surprises in table decoration, as a matter of sheer social enterprise.

The first move essential to obtaining an arresting all-white table is to provide a suitable all-white cloth. Of the various styles now in favor, the most important is of heavy silk crepe-de-chine, or maroon crepe, which reveals a new mode of drawn work, introduced for the separation of the cloth area into large squares. Bandings of point Venice lace have also been applied to cloths of this description. The recent revival of imposing silver table specialties has brought about the use of silver metal cloth as the foundation cloth upon which the crepe-de-chine novelties are placed, thus providing a needed element of formal and sophisticated beauty.

To complete this spotlessly white, or white and silver composition, white figurines of exquisite grace and

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fantasy help to produce charmingly pictorial effects, placed either at the corners of the oblong table or grouped about a central bowl, vase, or centerpiece of porcelain, crystal, silver, or satin-finish Danish pewter. White flowers have come into a sudden vogue in this relation, daisies, violets, and roses being the shortest choices most frequently approved. White orchids, with their exotic sprays, loom up at the top of this mode of exclusiveness.

Where a very large table is under consideration, the placement of pure white chrysanthemums of extreme size in a long broken line from corner to corner, diagonally, has proven to be amazingly beautiful when lighted by tall slender white candles in low-branched candlesticks, at the oblique corners.

Where a considerable display of modernistic silver has been adopted as flat ware and new serving dishes, a silver lamp and lampshade are now also available as the last words in decorative silver to replace candles. For such appointments, low crystal bowls are filled with silver roses of heavy metalized paper from Czechoslovakia; and conventionalized fruits of papier mâché, in a happy blending of silver apples and grapes with gold pears and peaches, offer a felicitous completion.

The introduction of color. Less extreme and quite as new in effect is the use of a damask cloth of color. Linen, having thus regained its long-time prestige as a table accessory, turns to color both as bandings and as formalized design upon a white ground; also, as solid tone banded in white. All-white china, crystal and silver thus come into a delightful harmonization with the peach, wild-rose, Nile, apricot, or periwinkle-blue cloth. Here the total charm is carried into floral decorations beautifully massed in the new small bowls, or floating in the large shallow receptacles now available for many neglected and exquisite floral notes.

With the reintroduction of color to the table by way of flowers, comes the reminder that the new glass services present one of the most gratifying of the recent aids to the table. The matched table "ensemble" may thus be sustained in relation to the cloth. Its perfect contrast can also easily be achieved by the selection of the cloth in one shade and the glass service in a harmonizing contrast or directly contrasted shade.

With Period Rooms
The period dining room, its rich, dark woods, colorful brocade hangings and dull gold moldings of mirror and picture frames proclaiming an Italian or Spanish origin, invites a table invested with sumptuous color, and a covering wholly in keeping. To this end, the off-white cloths, close to the natural or unbleached tones, are fitted, and at the moment are enjoying a revival in both the heavy silk crepes and hand-woven, loosely constructed line, enriched with antique embroideries and lace inlay.

Such accessories invite the glowing beauty and richness of Renaissance traditions, for which superb silver receptacles provide a lavish base for tropical fruits against the dark leafage of laurel or pine cones. When thus elaborated, the lace cover of the table should be laid over satin or damask of yellow, crimson, or turquoise, and should have a flat outer banding of laurel leaves and pine, three to four inches in width, passing under the service plate. The strongly flared period dining room of modest equipment which has maintained the fitness of the Italian-work runner and place mats may thus continue their use as wholly in keeping with current standards.

But, someone may ask, are our true, old-time holiday combinations of pumpkin-yellow and turkey bronzes, of Christmas red and green, going out? To this the answer is a vigorous "No!" In fact, as long as tradition enters into our holidaying, the long-established color

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TO SEND a box of two 3 1/2 inch Bayberry Tapers as a holiday greeting is just a bit out of the usual. The candles are hand dipped and are made of real bayberry. Sent postpaid for \$2.00 per dozen boxes (24 candles). Illustration shows a 7-inch candle and Porcelain White candlestick in solid brass. We send two candles and two tapers, attractively packed, for \$7.50 postpaid.

THE BAYBERRY CANDLE PLACE
North Truro, Cape Cod, Mass.

schemes will urge themselves upon willing consideration. They may also bring forth modernistic inclinations by way of the amber or red glass service, according to the season, or the bandings, gold or red, on a white china service, placed on a white cloth. A garland of chrysanthemums or a wreath of holly around each plate, with a bright yellow or a red bow at the upper line carrying the name in bronze beads or in gold letters serves effectively in lieu of a place card. For a green-and-white table, mistletoe wreaths may be used, with white name ribbons carrying silver letters.

For Thanksgiving a pumpkin may be hollowed out and filled with nuts and fruits which conceal amusing

gifts hidden among them and tied with orange ribbon, a long end of which is brought to each plate and pinned there with a yellow-headed pin, or it may be weighted with a tassel, ring or other ornament to prevent displacement before the moment of its usefulness arrives.

Of the various ways of applying holly to the long family table, whether of oval or oblong form, the most original is the banking of a "mystery wreath," a high oblong wreath, perhaps 4 feet in length and from 12 to 18 inches in diameter, where the table seats from 10 to 15 guests. The finest branchings of holly are not required for this treatment. Indeed, the smaller pieces build a more fluent and beautiful line, and ground pine is a good foundation for a wreath at least 4 inches high and 10 in width, to which mistletoe may be added. Red ribbons, 1 inch wide, should be pinned from this green bank, reaching to each service plate. Red candles should light the table from crystal or silver candlesticks.

With the serving of the dessert, the ribbons are pulled and are found to end in favors selected for their mirth-provoking or noise-evoking qualities, where there are young children to consider. An amusing array of animals can excite unending interest, or the favors which disclose caps may offer special appeal.

But whether designed for the youthful or more mature, the proper moment for extracting the "mystery" from the greens should be marked by turning off the lights after due instructions have been given.

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A Thanksgiving Dinner—Part II

Pimiento canapés Sautéed almonds Chicken consommé Roast turkey Olives Hot wafers Brown gravy Chestnut stuffing Breaded sweet potatoes Cranberry mold Mashed potatoes and turnips Carrots in cream Hot rolls Date pineapple salad Stuffed celery Pumpkin pie or Thanksgiving special Brisk ice cream Assorted nuts Raisins Cherry punch

Roast Turkey
DRAW, singe and wash the turkey, then steam it for two hours. Place the fowl on its back on the rack in the roasting pan and stuff it. Brush the surface with

stock in which the neck, heart, liver and gizzard were cooked. Simmer for five minutes. Carefully pour off the fat that was left over and add to the gravy 3 tablespoons of the rich brown sediment that settled to the bottom of the dish. Season to taste and strain before serving, adding at the last the chopped giblets if desired.

Chestnut Stuffing
Slit the flat sides of 3 quarts of French chestnuts and put them in a frying pan with 2 teaspoons of butter. Shake them over a low fire until the butter is melted and the

them until they are almost done. Drain and leave them to steam dry. Beat an egg slightly with 1 tablespoonful each of brown sugar and water and dip each slice into the mixture, then into finely-sifted bread crumbs until well coated. Lay in a buttered baking dish and bake until the potato is done and the crumbs golden brown. Serve hot, garnished with parsley.

Carrots in Cream
Scrape the carrots and cut them into small dice to make 3 cupfuls. Parboil them in slightly salted water for 10 minutes. Finish cooking them over hot water with 1 cupful of cream, adding more cream if necessary. Season to taste with salt and pepper and serve immediately.

Mashed White Potatoes and Turnips
Prepare white potatoes, adding an equal quantity of boiled and mashed turnips. To each pint of the mixture allow 3 tablespoons of butter with salt and pepper to taste. Serve heaped attractively in a dish with chopped parsley sprinkled over the top.

Pumpkin Pie
Sift together 2-3 of a cupful of brown sugar, 1 teaspoonful each of flour and cinnamon, 1/2 of a teaspoonful each of ginger and salt, then stir this into 1 1/2 cupfuls of steamed strained pumpkin. Canned pumpkin gives excellent results. Beat 2 eggs slightly, add 1/2 of a cupful of cream and stir this into the pumpkin mixture, then add 1 1/2 cupfuls of scalded milk. Bake in one crust, having the oven hot at first to bake and slightly brown the crust. In about 20 minutes reduce the heat for baking the custard, which will curdle if it boils. Serve the pie cold with whipped cream on top, garnished with a liberal sprinkling of chopped nuts.

Cherry Punch
Mash together 1 quart of canned red cherries, 1 cupful of grated pineapple, 2 oranges and 3 lemons. Leave these at least an hour to blend and chill, then press and strain them. Add 1 quart of ice-cold carbonated water. Serve in small glasses, garnishing with thinly-sliced preserved or candied cherries or with water-filled slices of lemon.

[Recipes for other dishes on this menu were published on this page Nov. 16.]

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Storing Apples for Christmas

GOOD eating apples are always particularly welcome at Christmas time and the possessor of even one or two trees of late-keeping varieties would be wise to store the fruit until December or January when prices are well on the upgrade.

A cellar, when available, may be utilized most successfully as a fruit room, the temperature being low, and the atmosphere not too dry. The apples may be stored two or three layers deep on straw on the floor, except the choicer varieties, which should be arranged in single rows. They should be looked over occasionally, and particularly in this necessary for the first few weeks so that the bruised and bad fruit may be thrown out. In frosty weather a covering of straw is advisable. It is not always realized that apples may be successfully "clamped" like potatoes, in the open ground, which often proves a solution of the storage problem.

The apples should be bedded upon straw, well covered with it, and left there for about three weeks until

A Holder for Draining Vegetables

To prevent steam from rushing on one's hand when draining vegetables, a special kind of holder is now on sale in some of the shops, and can easily be made. One corner of the old-fashioned square holder is folded over to the middle and fastened down to the center of the holder with a snapper. Through the folded corner the thumb is slipped. The hand is then ready to lift the hot pan for draining the vegetables. When tipping the pan to pour off the boiling water, the thumb, although in its usual position on the edge of the pan, is protected from the rising steam by the folded corner of the holder.

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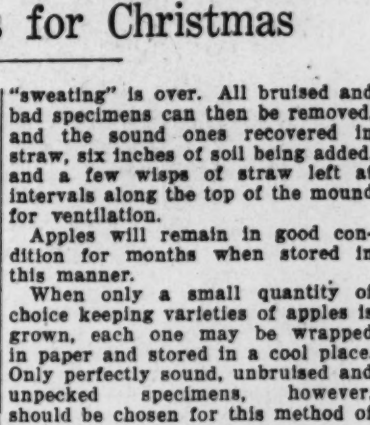
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EDUCATIONAL

Radio Music Programs
for Schools of Pacific CoastBY A STAFF CORRESPONDENT
San Francisco

RADIO made its initial western venture in the field of music education when more than 150,000 children "listened in" to the Standard School Broadcast, presented recently by the Pacific coast network of the National Broadcasting Company.

According to Don E. Gilman, manager of the radio concern's coast facilities, this series of educational lectures differs considerably from the "university of the air" presented by Dr. Walter Damrosch to children east of the Rockies. But Mr. Gilman believes that these efforts in music education are the most important developments in radio today.

The programs consist of two parts: a lecture delivered just before noon on Thursday mornings, which is devoted to discussion of a symphony program played in full that evening over the same chain of stations. The Arion Trio gives musical illustrations at the morning lecture, while the evening program is played by the Standard Symphony Orchestra.

"The purpose of these lectures is to tell you something about music," the impersonal announcer explained at the opening of the first program. "Music is a very important thing in anybody's life. It is a thing of beauty, and the love of it will stay with you all through your life after you leave school, bringing you happiness, inspiration and courage to face the world."

The Language of Music

"Music is not really very difficult to understand," he continued, "though it looks mysterious on paper and often sounds complicated. Music, however, is a language. Just as writers of poetry or prose have to understand grammar, and know many words and how to use them; so composers have to understand the grammar of music, melody, harmony, rhythm and instrumentation. Also the rhetoric of music: the pitch of the melody (which may be high or low) the volume (whether it is loud or soft), and the speed—fast or slow. Take speed for instance. Did it ever occur to you that a composer can make you lively or make you feel serious just by the way he uses speed in his music? Fast music is lively music. Slow music is sad or perhaps majestic. Slow music is sad or perhaps majestic. Fast music played slowly, or slow music played fast, will change in character altogether. The simplest way to make this clear is to give you an example. Listen to tonight's program will be all American music, let us experiment with a truly American melody. There are few livelier tunes in existence than Dixie, and it owes its lively character to the speed at which it is played. Listen to it."

The field force of the Standard Oil Company of California, sponsors of programs, was detailed to estimate the number of school children who listened to this first lecture and its intimate glimpse into the beauties and simplicities of music, and it was their guess that well over 150,000 boys and girls above the fifth grade were reached in the schools alone. In addition, a countless group of mothers listened at their homes, and later were better prepared to discuss with their young ones the beauties of the evening program.

Schools That Have Radios

From 300 to 400 receiving sets were used in the schools to bring in the lecture. Of these, many were lent by friends and neighbors for the pupils. Comparatively few schools are at present equipped with radios, though there are notable exceptions to this rule, as in the case of the schools of King County, Washington, where every school with an assembly hall has its radio set.

State boards of education and public school boards all over the Pacific Slope have endorsed the lectures since the first one was received, and are co-operating with the National Broadcasting Company to make them more widely available. The Standard Oil Company is publishing the lectures in full, and sending them to all schools not yet equipped for radio reception where they are desired for musical instruction. The Radio Corporation of America has set a special low price on certain classes of receiving sets for school use, and all agencies involved are assisting to spread the lectures farther.

Letters from teachers, principals and school boards in all parts of the coast are pouring in to the Standard Oil Company and radio stations commending the lectures, and offering constructive suggestions for their amplification. Mr. Gilman declared, "The company is as pleased with the results," he said, "that the programs will be extended throughout the entire year, at a cost of more than \$100,000."

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THE FLOATING UNIVERSITY

The only university
traveling round the
world is now visiting
Los Angeles, California
FOR PARTICULARS, 1928-29
WRITE TO BROADWAY, N.Y.C.

a combination of education and entertainment. They are largely popular in their casual appearance, but the technique which has enabled National Broadcast workers to sugar coat and all but submerge advertising in entertaining programs has skillfully emplanted a wealth of factual material in the series.

Preparation of the lectures is in the hands of Arthur S. Garbett, continuity editor of the Pacific coast network of the N. B. C. As a former associate editor of the Etude and for some years a writer for the Victor Talking Machine Company, he has had much experience in popularizing and dramatizing musical information.

"In planning this series of programs," Mr. Garbett said, "certain facts have had to be taken into consideration. The course is of a general cultural type, not interfering in any way with the practical music courses in sight-reading, singing, etc., coming as a regular part of the curriculum, but rather amplifying them."

"The Standard Symphony Hour in the evening is intended to acquaint the public with the best in high-class music. The public would not submit to a rigid 'course' of an avowedly educational nature. Nevertheless, the programs must have an educational background to meet the requirements of the school."

"Both morning and evening broadcasts must be adapted to radio conditions, and particularly to those radio conditions involving chain-broadcasting extending over the entire Pacific coast."

The Doll Ambassadors

RECENTLY there gathered at the Kyoto Girls' College, Kyoto, Japan, over 600 school children and Sunday school children at a reception tendered the doll ambassadors from the United States of America. This occasion was the opening of the Children's Museum of Kyoto under the auspices of the Young Women's Buddhist Association.

G. Nakai, librarian of the Buddhist University at Kyoto, who has worked from the Japanese side co-operating with Miss Jessie M. Sherwood of Boston, Mass., originator of the doll ambassador idea, gave the opening address of the occasion, after which the gathering sang "Kimiyo," the national anthem of Japan. Miss Ogaki then read messages received from America followed by the children singing "Hail Columbia." Two hymns were sung after the American song, they were "Natsu," Summer, and "Hoetsu," Rapture.

Following the singing and the speaking, little children from the Kyoto kindergarten danced two dances. The first one was in honor of the American doll ambassadors. It was called "The Blue-Eyed Doll." They then danced in honor of their own dolls, when they danced to "The Black-Eyed Doll."

In the close up view of the American dolls as they appeared in Kyoto, young America may recognize George Washington, Massasoit, the famous Indian chief of early Massachusetts, and Abraham Lincoln. The doll Massasoit was done for this collection by the American sculptor, Cyrus Dallin, of Arlington, Mass.

Children of Massachusetts did much toward making this doll representation to Japan possible. While the Japanese festival was on exhibition in the Women's Educational and Industrial Union of Boston soon after its arrival in the United States, children who visited the exhibition

The Pathfinder Star Maps

By Edward Skinner King
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Resident and Day Departments for Girls and Boys

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Boarding and Day School
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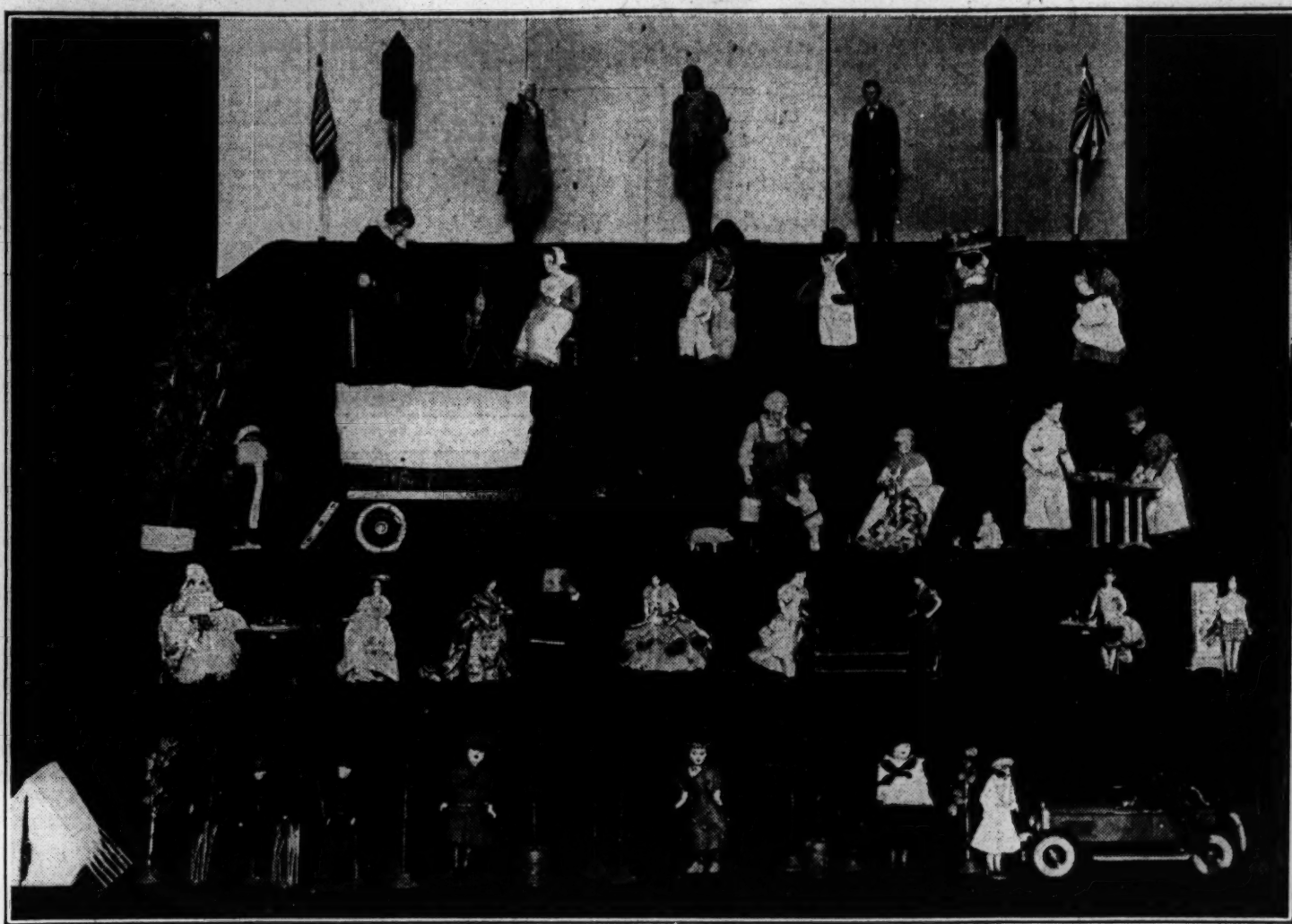
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Modern and practical work
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THE FLOATING UNIVERSITY

The only university
traveling round the
world is now visiting
Los Angeles, California
FOR PARTICULARS, 1928-29
WRITE TO BROADWAY, N.Y.C.

George Washington, Chief Massasoit, Abraham Lincoln and Many Other Representative Americans Constituted the Doll Ambassadors Appearing at Their Reception in Kyoto Girls' College, Japan, Oct. 14, 1928.

of preparing the scrapbook. Miss Sherwood, the originator of this idea, writes out the descriptive captions for the pictures. Dr. Provan translates them into Japanese and inscribes them in Japanese characters in the book. Dr. Provan as a boy lived in Japan where he learned the customs and languages so that he is able to better translate American customs to the Japanese than a Japanese student in America could do.

This self-appointed task of Miss Sherwood's has grown to such an extent that she has been glad to welcome the assistance of many friends. Each month this group meets at a Japanese restaurant on Worcester Street, Boston, where they discuss the subject in which they are so much interested, namely, the cementing of peaceful ties between Japan and America. While they are engaged in the greater task of furthering their ideals they partake of a Japanese meal cooked by a Japanese cook and served in Japanese style. The restaurant was opened primarily for students from the Island Empire, here in Boston for their education, but is now slightly extended in its scope, taking a few American guests.

Assistance may be given this idea by sending to Miss Sherwood pictures showing any of the activities of American life. It is the desire of Miss Sherwood now to have this idea spread to England so that England and Japan, and England and the United States, may exchange dolls and scrapbooks in the same way.

SCHOOLS—United States

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Music, Dancing, French.
Large Shady Playground
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10 WOODLAND ROAD

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This practical folder keeps your
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Horseback riding, swimming. A wholesome,
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girl quick to feel, eager to know, able to do.
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20 miles from Boston. All of
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fellowship and homelike atmosphere.
For color address: Alexander E. Mitchell
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Billerica, Mass.Readers' Adviser Meets
the Student HighwaySPECIAL TO THE CHRISTIAN SCIENCE MONITOR
Amherst, Mass.

NEW fields for the development of public library service were opened up by Charles F. D. Belden, director of Boston Public Library, in his address at the dedication of the Jones Library at Amherst.

The efficient librarian of this generation is making an earnest effort to help the person, be he youth or adult, to form or renew the habit of worth-while reading. Librarians are now urging the potential service of a readers' adviser, an assistant whose business it is to find out what kind of book will interest a particular reader and then to help him get the desirable books.

What a field of helpfulness is here opened; happiness both to the server and the served!

"Reading," says Dr. Meiklejohn.

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AUBURNDALE, MASS.
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30 acres of campus. Two years high
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Separate school for younger girls. All
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This practical folder keeps your
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The Junior School of House in the Pines
NORTON, MASS.
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High School age. A large modern home. Sun
porch for classrooms. Fields for all sports.
Horseback riding, swimming. A wholesome,
simple life of study and play makes the
girl quick to feel, eager to know, able to do.
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Indianapolis

Home Training School

For children, 3 to 10 years,
needing special care and indi-
vidual training.
2259 No. Alabama St. Randolph 1477
INDIANAPOLIS, IND.

MITCHELL

SEPARATE JUNIOR SCHOOL
20 miles from Boston. All of
the advantages of modern methods
and complete equipment. Specially
trained teachers. All athletic
sports, swimming, gymnastics, boxing
and fencing, tennis and track. Good
fellowship and homelike atmosphere.
For color address: Alexander E. Mitchell
Box 31
Billerica, Mass.American School of Fine Arts
at Fontainebleau, FranceSPECIAL TO THE CHRISTIAN SCIENCE MONITOR
Paris, France

THE idea of a school of fine arts at Fontainebleau had been born at the same moment as that of a school of music, but it was deemed wiser to launch the great experiment separately. The success of the first was so instantly apparent, however, that in 1922 the organization of the Beaux Arts was undertaken.

An eminent American architect, Lloyd Warren, the first American ever to matriculate at the Paris Beaux Arts, was the founder, although he did not live to see the school in existence. His brother, Whitney Warren, the architect of the new Louvain Library, has carried on the project, with the able collaboration of Ernest Peixoto of the New York Beaux Arts Institute of Design, and of Maurice Fragnaud, then governor of Fontainebleau; and the summer of 1923 saw the Ecole Americaine des Beaux Arts installed in another wing of the palace. Its active director is Jacques Carlu, architect, holder of the Premier Grand Prix de Rome, one-time professor at the A. E. F. Art Training School of Bellevue, and now professor of architecture at the Massachusetts Institute of Technology.

Fontainebleau's standard is high. It is a school for advanced students in architecture, painting and sculpture—young people, but trained sufficiently to be capable of deriving benefit from a three months' course of instruction wherein nearly half the time is spent, preferably in an informal study of the architecture, custom and artistic atmosphere of the country. The atelier work is rigorous, but the student is given the opportunity to see the many historic chateaus and cathedrals of the region with time enough to make sketches. To this end, there are eight-day auto tours to the Loire district, two-day trips to nearer places, and one-day trips to Chartres, Versailles, Chantilly, etc. In addition, students are allowed to work in the Fontainebleau Palais itself—an exceptional opportunity, since it represents all that is finest and most com-

plete in French Chateau decoration. The "atelier de fresque" is the only school in the world today where one may learn the art of mural decoration in true-fresco as it was done by the masters of the Renaissance; here the students annually cover the great, vaulted stone walls of the ancient Guard Room of Francois I with copies and original designs, learning the technique of painting on fresh mortar and the art of mural composition. And the near-by towns of Moret, Montigny and Barbizon, and the famous Forest, are rich in material for the landscape painters.

The attendance has been limited in the past to 100, but this season it surpassed the previous mark, approaching 150 and filling the studios to capacity. Here come fellow-student from the great American universities, art academies and architectural institutes (it is customary for the holder of the American Paris Prize in Architecture to spend his summers in the school)—these, young but able folk, eager to seize the chance to live in the atmosphere of France's art; here too come older men, already successful in their professions but anxious to enrich their knowledge; and here come teachers of art, to broaden their background and heighten the value of their teaching.

SCHOOLS—United States

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If there is no Berlitz School in your city, write to our New York office about our Home Study course in
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QUICK, EASY, ENJOYABLE

Catalogue and other literature will be sent upon request. Applications for the spring semester, for Camp Principia and for the school year 1929-30 may now be placed on file.

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October 5, 1928

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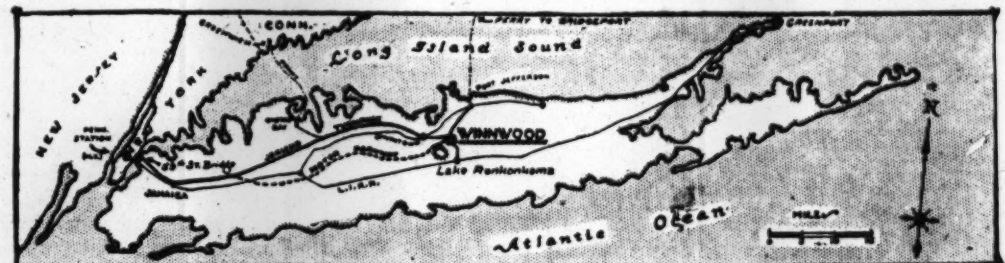
With best wishes for your continued success,

we are,

Very truly

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HERE'S a storied, enchanted isle—just off the coast of Georgia—sun-tinted emerald in an Indian Summer setting—that offers the fullest range and greatest variety of sport to be found at any southern playland.

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MOTOR... neath the moonlight on a five-mile stretch of beach smooth and hard as concrete.

RIDE HORSEBACK... in tree-canopied lanes where once fugitive royalty from revolution-torn France sought refuge and Spanish cuirassiers fought the victorious English.

FISH... on the glistening Atlantic for sheepshead, sea trout, etc.

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The Cloister overlooks the Atlantic and the magnificent five-mile beach. Faultless service, unexcelled cuisine. Day-moon-back terracing, oysters and shrimp from our own beds; game from our own hunting camps; green vegetables from

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Every room with bath. Music, dancing and entertainment every evening. A delightful home colony where comfort, charm, and charm, attractively furnished, will lure you to spend the winter. An ideal place to spend your Thanksgiving or Christmas holidays.

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M. W. PARTRIDGE, Prop.

Progress to Peace
Will Be Slow, Says
Master of Harrow

Education for Two Generations Necessary, It Is Said, to Attain Result

SPECIAL FROM MONITOR BUREAU
LONDON—"The state of mind from which the idea of war has been banished exists among large blocks of the people of the world," said Dr. Cyril Norwood, headmaster of Harrow. Speaking at the London Missionary Society's laymen's lunch in London recently on "The Chances of Permanent Peace," Dr. Norwood said: "There are 100,000,000 people of the United States who are not going to fight another. It is clear outside the question that the members of the British Empire should do so. I do not think there is the least chance that we could get the British Empire and the United States to line up against one another, whatever nasty things each of us may say regarding the other from time to time." "A similar state of mind is needed," he added, "on each side of the frontiers of Europe. The existence of the League of Nations, the Locarno and the Kellogg pacts are things which could not have happened before the war. Nevertheless, progress toward peace will be slow, and it will take education through two generations to see the thing through."

FINN CO-OPERATORS
JOIN SCANDINAVIANS

SPECIAL FROM MONITOR BUREAU
LONDON—"The Scandinavian Co-operative Wholesale Society has recently widened the scope of its activities by arranging for the inclusion of two Finnish co-operative wholesale societies according to information received here. The Scandinavian organization has its headquarters in Copenhagen and since its foundation 10 years ago has devoted much of its attention to facilitating wholesale purchases by its affiliated members."

The new arrangement is regarded as marking a definite step toward the reconciliation of the urban and rural co-operative wholesale societies of Finland, between which there has been a split lasting about 12 years.

Registered at the Christian
Science Publishing House

Among the visitors from various parts of the world who registered at the Christian Science Publishing House yesterday were the following:

Edith E. Lloyd, Methuen, Mass.
Helen Darling, Lawrence, Mass.
Robina Simpson, Hamilton, Ont.
Mrs. Olive J. Milliken, Atlanta, Ga.
Mrs. W. R. Hamner, Canton, O.
W. E. Hamner, Canton, O.
Thomas Kemp, Dover, O.

The Enchanted Isle

Newest Sports Center!

Away with care—be transported in a few short hours to sportsman's paradise! A touch

of Spain in this hotel—luxuriously equipped—from which you step in the morning for a round of golf—a plunge in a tiled pool—fishing, riding, boating, tennis—all at your door. Come to America's newest sports center. The climate? Perfect! On the island, waterway system

with an anchorage in front of hotel. Write today for folders and rates.

SAVANNAH-OGLETHORPE

"On the Enchanted Isle."

SAVANNAH, GEORGIA



ABBOTT HOTELS CORPORATION

Huge Investment in Education
Defended on Basis of ProfitsUniversity of North Carolina Holds Its First
Southern Educational Conference

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR
CHAPEL HILL, N. C.—The total expenditures for public education in the United States in the last 18 years has increased 230 per cent, and the rapidly increasing wealth of the country offers proof that education is a highly profitable public investment, Dr. George D. Strayer, of Columbia University, declared in delivering the principal address at the closing session of the University of North Carolina's first annual southern conference on education.

"As a result of the continued and rapid increase in the wealth of the people and the resultant shortening of working hours, one of the serious problems of public education today is the provision of that type of education that will enable men and women to use their leisure time to best advantage."

"All too frequently leisure is but a desire for amusement. Sometimes the net result of time off is a worker less able to perform his routine duties on account of the use made of his leisure time. The higher forms of recreation must be made available for all workers."

Industry and Literature

"There is no good reason why those who work in our modern industries should not, by virtue of the education which they have had, get satisfaction in music, literature, and the other fine arts; nor is there any good reason why they may not, within the limits of their capacities, continue their interest in the humanities and natural sciences."

Declaring it to be ridiculous to think of possible bankruptcy as the result of increasing expenditures for education, Dr. Strayer said that in 1896 the people of the United States spent approximately 2.25 per cent of their income for public elementary and secondary education. "Surely no one can propose that we have reached the limit of the proportion of our income that we can spend for education," he said.

Modern Youth Defended

More than 150 representatives from colleges and universities in all sections of the South were present at the conference. Many of the speakers defended the youth of today, declaring that they were much better behaved than their fathers and grandfathers. The tendency to weed out students because of congested conditions at colleges was also deplored, the conclusion being reached that the student of one talent is just as much entitled to his chance as the student of five talents.

Vigorous answer was made to the critics of public support of educational institutions through taxation.

North Carolina



You are so near to all this pleasure

The click of a well-spangled golf ball... the twang of tightly strung tennis racquets... shouted greetings of goodfellowship—these and other sounds carried on pine-scented breezes tell of outdoor pleasure at Pinehurst, N. C., America's Sport Center. There, in golden climate, you'll find new pleasure in relaxation. And it's an easy trip on comfortable Pullmans.

Attractively furnished cottages for rent reasonably.

For reservations or new illustrated booklet address General Office, Pinehurst, N. C. The luxurious Carolina Hotel now open.

Pinehurst

NORTH CAROLINA

"AMERICA'S PREMIER WINTER RESORT"



GOLF

Glorious autumn in the Piedmont—nature's vivid season. Bracing air, morning rides, uninterrupted golf days. A delightful mid-season interval overlaid with interesting objectives including Pinehurst, Alken and Asheville. Accommodations as you like to find them.

For descriptive folder, rates and reservations, address Fred Minor, Manager.

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SEDFIELD GREENSBORO, N. C.

Kentucky

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Moderate. Price. Family Hotel.

European Plan.

Your home where in Louisville. You will like the quiet dignity and refinement, the thoughtful service and homelike atmosphere. Women traveling alone find it especially pleasing.

Rates With Breakfast \$2.00 Up.

Special Rates by Week or Month.

Near Christian Science churches.

E. L. O'BRIEN, Res. Mgr.

Brown Hotel

LOUISVILLE, KY.

700 Rooms 700 Baths

NEW—MODERN—COMPLETE

Rates \$3.00 up.

Virginia

Hotel "VIRGINIA'S"

NEWEST AND FINEST

ROANOKE, VA.

ROBERT E. MEYER, Pres.

300 Rooms, 300 Baths, \$2.00 per day and up. Unexcelled sample rooms

Louisiana

The St. Charles

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Entirely rehabilitated. Favored by the discriminating traveler

ALFRED S. AMER & CO., Ltd.

The Roosevelt

and Bienville

NEW ORLEANS

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AUSTRALIAN SCOUTS

TO CHARTER OWN SHIP

SPECIAL FROM MONITOR BUREAU

LONDON—According to the Scouters' Gazette, which is the official organ of the New South Wales Boy Scouts' Association, it has been decided that the contingent of 500 Australian Scouts for the International Jamboree in 1929 will travel on a ship specially chartered for them.

This ship, which will fly the Scout flag, will sail via Durban and Cape Town, and on the homeward voyage via Cairo, the Suez Canal, and Ceylon. Altogether the boys will be away about six months and by the time they get home will have seen quite a good slice of the Eastern Hemisphere.

They will have had the chance, too, of rubbing shoulders with Scouts from all over the world. As the Chief Scout said recently, at a big Scout rally in East London, "They are all your brothers, so treat them like brothers. We don't want any more wars and you Scouts can do a lot by making friends with these chaps when they come over here."

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SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

STOCKHOLM—The Air Commission established by the King in 1926, in co-operation with the municipality, to work out a plan for permanent land and sea air fields in the capital as well as a harbor building that may hold two large and two small machines, has now presented its report.

The commission proposes that the present air field in Stockholm, Lindarängen, be kept as a sea air harbor for Stockholm equipped with a hangar to cost 463,000 crowns as well as a derrick at 25,000 crowns. One half of the cost of hangar and derrick is to be met by the State, and the other half by the municipality. Finally it is proposed that Bromma field be reserved as a land airdrome.

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THE CHRISTIAN SCIENCE MONITOR

BOSTON, FRIDAY, NOVEMBER 23, 1928

"First the blade, then the ear, then the full grain in the ear"

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EDITORIALS

Pact or Memorandum?

SOME weeks ago the Monitor asserted that the Anglo-French memorandum, accord, or pact, as one desires to call it, concerning military and naval armament, was dead. It was said then, and it is true now, that the less discussion of that unfortunate and irritating diplomatic blunder, the better for the intimate and friendly relationship which ought to be maintained between the United States and Great Britain. But certain repercussions which disturb the peace of British politics at the moment are of importance because they indicate the distinct feeling of regret, and even antagonism, on the part of the British people because of the action of their Government. The chorus of doubt and condemnation of the pact which arose from the press of the United States was scarcely more vociferous than that which emanated from the principal papers of England. It is true, of course, that party papers felt it necessary to give some measure of support to their own party leaders who were responsible for the agreement. But that support was half-hearted and ineffective. That the agreement had been entered into with the best intentions is but the sum of its defense. And even those who advanced this timid justification admitted that the method of entering upon it, and particularly the secrecy with which it was enveloped, were incredibly stupid at this time.

There are those claiming precise and inside information concerning the reasons for and the negotiations leading to the Anglo-French accord who defend it. The assertion is made that it was simply a memorandum, prepared at the request of the Preparatory Disarmament Conference of the League of Nations, and indicative of what Great Britain and France would urge when that commission came to grapple with the problem of world-wide limitation of armaments. Those who offer this defense protest openly against the understanding being referred to as either an agreement or a pact. They declare that it was merely a memorandum, of no binding force, and intended to serve only as a guide for negotiations when the League Commission finally gets down to work. But even if this construction of the agreement were to be taken as authoritative, it would leave Great Britain and France in the position of allies submitting to the United States an ultimatum on naval limitation. Lord Lee of Fareham, in a speech delivered at a dinner to Ambassador Houghton, has roundly condemned any such agreement, saying: "In doing business with America, England had better do it alone, unhampered by any embarrassing partnership."

Unhappily for this theory, it has not been generally adopted by the British defenders of the pact, and it has been wholly repudiated by public opinion in Great Britain. Rightly or wrongly, the British public, like the public of the United States, have the idea that the agreement was a serious one between Great Britain and France, against the United States, and involving the same issue that broke up the Tripartite Conference for the Limitation of Armament.

The encouraging thing, the gratifying thing about this situation, the thing which, even more than the fact that the pact is dead, will contribute to the renewal of Anglo-American friendship, is this circumstance that the British public has manifested the same indignation as has been presented by the American people. It is not the first time that a government, in dealing with an important feature of international relations, has found itself deserted by the people behind it. The British Government certainly has suffered this desertion.

An interesting feature of the present situation, as noted in an Associated Press dispatch the other day, is the fact that a Labor member of Parliament has given notice that he will ask the Foreign Secretary in Parliament whether before the naval accord was reached he followed the usual course of consulting the four dominions, Canada, South Africa, Australia and New Zealand, and the Irish Free State. Whatever Sir Austen Chamberlain's answer may be, it will be embarrassing to the Government. For if he did not consult the dominions, he will be pressed for an explanation as to why, and if he did consult them, and they expressed their accord, the theory that the whole affair was a memorandum will disappear.

But in all the discussion which may grow up about this occurrence, it is well to keep clearly in thought the fact that the British people have repudiated it as emphatically as the American people have condemned it.

China Goes on the Air

RECENT news from Nanking makes it clear that very soon China is to extend its open-door policy to the ether. Once wary of too direct contact with the Western world, China today, in contracting with the Radio Corporation of America to build it a high-powered government-owned radio station, is undertaking to bring the Chinese people and Chinese industry into the most intimate association with far-away lands which modern invention now makes possible. It is an undertaking thoroughly in keeping with China's new era of social and economic progress. Civil war has

given way to a larger unity. After 4000 years of evolution, agriculture is gradually giving way to industry as the Nation's dominant pursuit.

To become master of the new conditions in which she finds herself, China is appreciating the necessity of fitting her people and her projects more closely into the network of the commercial and political ties knitting the twentieth-century world. As far as the United States is concerned, adequate news accounts of current developments in China by cable are virtually unobtainable, so prohibitive are the prevailing cable rates. If the new government-owned radio station, essential as it is to the facilities of foreign trade, is also destined to bring about a reduction of cable rates for the press, it will serve China well.

A Treaty to Promote Wine!

THE wine merchants of the leading wine-producing countries of Europe have enlisted the services of their governments to help gain for their trade a wider public patronage. Although this undertaking has only lately been disclosed, it was four years ago that Spain, France, Greece, Hungary, Italy, Luxembourg, Portugal and Tunis entered into a treaty for the establishment of an international wine office in Paris. This treaty was signed on Nov. 29, 1924, it came into effect on Oct. 29, 1927, and was only lately registered at the League of Nations.

The purpose of this new project of international co-operation, according to the text of the agreement, is "to collect, study and publish information tending to demonstrate the beneficial effects of wine" and to further "new scientific experiments" in order to "demonstrate the hygienic qualities of wine and its influence as an agent against alcoholism."

The many supporters of the growing movement against the liquor traffic throughout the world would scarcely expect to find much comfort in the formation of an international wine cartel. Yet if the purpose of this organization is to be accepted at its face value, even wine dealers have admitted the evils of alcoholism and are now given to promoting wine essentially as "an agent against alcoholism!"

Is wine such an agent? Before anti-alcoholic legislation became the persuasive public issue that it is, and before the wine trade of Europe began to feel the public reaction against alcoholic beverages of all kinds, "scientific experiments" of which the international wine office speaks so highly, had long been conducted on a basis which was disinterested and objective. Consider the findings of Dr. Paolo Amaldi of Italy:

It is a fact that the alcoholism which confronts Italy is alcoholism provoked by wine consumption. It is very difficult to fight against such a form of alcoholism, as wine drinking is associated with the whole social life. It has in its favor the strongest prejudices and is considered as harmless, useful and indispensable. But the fact remains that whoever would fight against alcoholism must fight against the wine habit.

The French Academy of Medicine, which informs its Government on matters of health, several years ago directed attention "to the rapid increase in liquor consumption that has taken place since the war," and protested vigorously against calling the fermented liquors—wine, beer and hard cider—hygienic drinks.

Consider also the words of Dr. Jeanne Lepine, a member of the French Academy of Medicine:

Among cases brought to my consultation which are necessarily delicate or litigious, more than half last year were due in an important part if not exclusively to habitual alcoholism, and, I hasten to add, to wine alcoholism.

Dr. Gauvreau, registrar of the Quebec College of Physicians, is no less decisive in his conclusions. He says:

Contemporary science maintains with reason and proof to support it that alcohol is truly a dangerous substance from which men should absolutely refrain. There are no hygienic drinks among alcoholic beverages. To be in the most complete possession of our faculties and of our natural powers at every moment of our lives, we must be rigorously abstinent.

Virtually every nation in the world is today making some attempt to reduce the evils of alcohol by legislative, restrictive and prohibitive measures. In so doing these nations have recognized that alcoholic beverages are agents of social harm, and it is being proved in the United States that their reduction and prohibition not only serve social progress, but promote industrial prosperity.

Canes for Every Occasion

ONE can imagine, with a generous imagination, that a gentlemanly centipede might find use for fifty walking sticks. For a biped man to own 1400 canes seems rather a surplus till the fact is explained by the information that he is a collector. Such is the wealth of walking sticks possessed by Rudolph Block, whose collection is, or lately has been, on loan exhibition in the United States National Museum at Washington; and this, for further oddity, not because they are canes but because they are wood.

Few collectors achieve the distinction of a unique collection, but Mr. Block's inspiration seems to have started in that direction when he began collecting specimens of different kinds of wood and having them made into walking sticks. Here was a hobby horse that had never before been ridden, and it came prancing up when the future rider one day said to himself: "Why not get a walking stick made of every wood in the world?" Being mounted, it carried him all over the world by correspondence with foresters, wood technologists, and botanists; and the ride made valuable addition to the knowledge and literature of woods, and has so far assembled 1400 walking sticks, no two of which are alike.

There are no doubt other collections of canes as such which would surprise the average observer by the variety of material other than wood that has been used and the ingenuity that has been expended in making them. The elephant has contributed his tusk, the rhinoceros his horn. Ingenuity has contrived canes that served also as receptacles for various small objects. An inventory of personal belongings in the time of Henry VIII includes a cane that carried perfume, a timepiece, a pair of compasses, a foot rule, a knife, a file, and a whetstone. Canes have been found useful as receptacles in which to hide jewels. Swords and even pistols have been concealed

in them; and time was when canes were made hollow and gay French gentlemen blew bonbons through them at appreciative ladies.

After the Restoration, Englishmen of fashion followed a French vogue and carried their canes bedecked with ribbons; and when George I was King the proper cane to carry was topped with a grotesquely carved little face. One past use of the cane survives in the meaning of the word as a verb, but the practice thus referred to having largely gone out, the verb is now of little or no value except for writers of historical novels.

Leisure Demands Education

THAT public school education, the most important governmental activity in the United States, has not only assumed the proportions of big business, but also has brought to the fore the problem of the better use of leisure time, was emphasized at the First Annual Southern Conference on Education recently held at the University of North Carolina. Dr. George D. Strayer of Columbia University stated that in the last eighteen years expenditure for public school education has increased 230 per cent, now reaching annually the enormous figure of approximately \$2,000,000,000. And yet this sum expended for primary and secondary schools represents but 2.25 per cent of the income of the people of the United States, a proportion of the country's earnings which can scarcely be called excessive.

Professor Strayer, in emphasizing the need for education which will lead to a better use of the leisure time which is increasingly coming to the workers of the country, indicated that leisure employed in ways which unfit one for competent service is profitable neither to the individual nor to the public. Accordingly, education in music, literature and other fine arts which would furnish means of profitable entertainment should be encouraged, and provided for in the school curriculum.

As industry is being progressively mechanized, workers will inevitably have more leisure. Comparatively few, it seems, when thrown back upon their own resources, can, without some form of higher culture, utilize leisure profitably. With the increase of leisure and wealth, preparation for the right use of leisure has an urgent demand. It is a problem with which educators must immediately grapple.

The "Noes" Have It

News Item: The American Foreign Trade Council has set \$145,000,000 as the loss to world commerce occasioned by war, since 1914.

LOOK at it this way: There haven't been half that many seconds—no, not by 10,000,000,000—since the dawn of the Christian era.

Look at it another way: Convert this amount into silver dollars and it would take 900,000 five-ton trucks loaded to capacity to transport them; stack them and you have 227,000 piles a mile high; spread out they would pave a solid silver highway 165 feet wide from New York to San Francisco.

Look at it still another way: \$145,000,000,000 would pay the value of every farm (including land, buildings, implements, machinery, and live stock) in the United States, then give each farmer \$10,000 "relief," and still leave enough to buy every bushel of corn, wheat and oats raised in the United States in the last two years.

Look at it this way, too: That amount would pay for all the public schools in the United States, endow each with \$200,000, give every teacher \$20,000 as a nest-egg, provide a sum for investment the interest on which at 4 per cent would double their present salaries and pay them year in and year out, and leave enough to hand every pupil a little present of \$1000.

Look at it from this viewpoint: It represents a definite economic loss of \$500 to every man, woman and child in the United States, Great Britain, France, Germany, and Italy.

Was it worth while?

The "noes" have it.

Editorial Notes

The reports coming from the convention of the American Federation of Labor that the United States is rapidly approaching the general adoption of a five-day working week, seem to be in line with the modern economic theory that fewer hours make more employment; more money to spend makes greater demand for other than mere necessities; increased demand makes increased production; increased production makes greater profits; greater profits tend to make higher wages, and a higher wage scale, finally, permits of shorter hours—a sort of economic house that Jack built.

Although the punishment seems at first sight inordinately severe, the recent sentence pronounced against a drunken automobile driver in England, that he was disqualified from driving for life, points an issue worth considering. A severe sentence should be imposed on anyone who drives an automobile while under the influence of liquor. Perhaps a better and more constructive sentence, however, might be to the effect that such an one was to be disqualified until he produced evidence satisfactory to the court that he had not taken a drink over a period of, say, a year.

Dr. George B. Franklin, associate professor of English at Boston University, has scored a "scoop." Upon learning that thirty-five students in his Shakespeare class were seeking journalism degrees, he assumed the rôle of a city editor and distributed assignments to his staff of students who are now writing complete newspaper accounts, including headlines, of the events in Shakespeare's "Hamlet."

Hardly has the engulfing lava from Mt. Etna begun to cool than plans for rehabilitating the Sicilian towns that were in its path are under way. How different from the days when Pompeii and Herculaneum succumbed to Vesuvius!

When the Pennsylvania State Art Commission went on record as refusing to approve the use of cannon in the future as war memorials, another shot was fired at the goal of world peace!

A British Journalist in America

By COLLINSON OWEN

In describing his experiences in the United States, Mr. Owen, novelist and dramatic critic, has employed the same light and entertaining style which has distinguished his work in the London Daily Telegraph. He has prepared a series of fifteen articles for The Christian Science Monitor, of which the following is the first. The stories are the quick impressions of an observer seeing the cities of the United States for the first time.

I DON'T remember just who it was who said that, though America had been discovered many times, the fact had always been hushed up. Any such reticence has disappeared since his day. The world has now definitely heard about America. Here and there, in the newspapers of Europe, one quite often sees references to her, her institutions and her citizens. These things have a way of creeping into the news. However much she may wish it herself, America can no longer hide.

Yet despite a process of discovery which in latter years has become intensive, one cannot deny that it is a moment of considerable magnitude first to step on the landing stage at New York. At my own moment of discovery I had all the wonder of Columbus within me. In some ways I had the advantage of him. He had no idea of what was inside America. He had never heard of Mr. Babbitt or the Ziegfeld Follies, of Mr. Volstead, whereas I was more or less familiar with the existence of these and many other phenomena.

It was still quite early in the morning when I made my discovery. Say about 9:30. Our liner had anchored overnight, with twinkling lights far to right and left of us to show that we were really nearly there. As a rule the modern discoverer of America refuses to take the sea in anything less than a 60,000-ton ship. Ours was a modest cockleshell of some 21,000 tons and what is more—or less—she had taken ten days to do the crossing from London River. She had no swimming bath on board, and the most careful search failed to discover anything in the nature of a cardsharp. There was nobody of appalling wealth, and not a single big business man from the middle West holding down the lounge room in the approved fashion.

In some ways, then, a rather disappointing crossing. On the other hand, there were certain advantages. Our passenger list, almost entirely American, was composed of very nice people; what in England we should call upper middle class. They were almost all returning from long holiday tours in Europe. The American girl was there in considerable numbers. They had been away for three months, six months, a year! When these Americans take holidays they refuse to think of week-ends.

Here is a sample deck-chair conversation, selected at random from some hundreds:

Myself: How did you enjoy your trip to Europe?

Miss America: Very much.

Myself: Have you been away long?

Miss A: We left New York in the middle of May.

Myself: Really. And where did you go to in Europe?

Miss A: Well, first we went to Paris for a month. Then we went on to Florence, Rome and the Lido. Then we had a month in the Bavarian Alps, did Vienna on the way back, and finished up with six weeks in London and England.

After hearing of a modest program like this, one is left in retreat. The rout is completed when one's companion of the moment remarks casually that this is her fourth time "over." Even engaging young misses of twelve or fourteen are liable to say this. These Americans have made continental travel look suburban. They rob one even of the thrill of being in mid-Atlantic. And year after year they cross, thousands of them, shipload after shipload.

There are many millions of Americans who have never discovered Europe, and never will.

Even a ten-day voyage ends. Five minutes to go. A solemn moment, yet, as is so often the way with solemn moments, electrified by a sort of desperate gaiety. Tongues are loosened. Hearts are opened. The last timidities of ten days' acquaintance are swept away with a rush. British reserve is finally vanquished by American heartiness. I am invited to visit Kentucky, Alabama, New Haven, Los Angeles and Washington.

It had long been a serious whimsey of mine that I would refuse to believe in the existence of America until I had seen the Statue of Liberty with my own eyes. And I almost missed it. A glorious morning of autumn sun, but with mist in the sunshine. As we sailed in, reporters and camera men politely busy, there suddenly appeared, away to port, the majestic emblem of Liberty, faintly visible in a translucent shroud of mist, coppery green in color, ethereal, dreamlike, despite her size. A brief but most artistic moment. A minute later and she was gone. It was a narrow escape for America.

Then mountains and peaks rising out of mist. Eager voices indicating this peak and that. The famous skyline. Not the Jungfrau, but the Woolworth Building. Not the Eiger, but the Equitable. Just as exciting, in its way. And no doubt just as beautiful, with or without mist. In any case a tremendous preparation for a discoverer who is just about to land.

As the tug, each with its widespread golden eagle, butt us gently into place, I feel that this is the rise of the curtain on a great personal drama. A vast new country to be explored, full of many things: a hundred million people to be seen; people who in many ways must be considered as foreigners, yet who by some magic speak the same language as my own, so that nothing will be hidden. A country familiar by a lifetime of reading, of photographs, of the movies, yet utterly unknown. America with all its tumbling crowd of preconceived impressions, from the youthful days of Buffalo Bill worship, down through the years to the era of President Wilson and so to the present day of Big Bill Thompson, Lindbergh, Mayor Walker and the rest. A big moment for me, despite those traveling Americans who trot up and down Europe with no more concern than we travel the home counties.

And here is America at last. I am talking to a customs officer in the familiar blue uniform and peaked cap. I wonder whether he is armed, but decide that his is probably regarded as a fairly peaceful occupation. He is quite a nice customs officer, even when he asks me to open my trunk. It is an American trunk, of which I am very proud. But it is packed so tight that when one releases the last shackle it springs open, briskly as a guardsman to attention. Boots and boot-trees shoot out. I can't close it again. A fat porter, of Near-Eastern complexion and speaking vague English, kindly helps me. Between us we throttle it. Then a taxi and—whiz!—we are in New York.

That first moment was nearly the last. How the bigger car escaped coming up in two will probably never be known. The taxi's four-wheel brakes screech alarmingly. (I was to learn soon that all New York's taxis do that.) Onward! We hit a large hole in a cobbled street and I bowed, terrified. (I was to learn to my surprise that there are lots of holes in New York streets.) We pass through unimposing thoroughfares, in which there are colored men and strange people. A wild ride over, we draw up at an immense hotel.

This is not a hotel but a town, a commercial town. There are more than 2000 bedrooms, and apparently every guest has ten visitors. The main entrance hall is like a fair. Conventions are proceeding, and well-dressed business men are here from all over the United States. They wear badges bearing their names. Thus if I had wished I could have gone at once to one of them and said, "Mr. Earl Petersen, I'm glad to meet you." Instead I am shot up twelve floors from the superheated hall to a superheated bedroom. I open a window, very gingerly, and find that I am perched halfway up a brick cliff twenty-four stories high. There is a skyscraper near, just being finished, some forty stories high. I feel like a sea gull, with none of its confidence.

What follows is fantastic. Down in the superheated hall a friend plucks me from the multitude. We plunge into the roaring subway, which is all, and more, than that one has ever heard about it. We rise to the surface and join a

river of tiny people flowing along at the bottom of the Grand Canyon. This is Wall Street. The buildings are colossal. The individual is a mere atom. That is all one need say, at the moment, of the effect of these overwhelming works of men.

Down into the basement restaurant of the Equitable, the most massive office building in the world, an immense plate of food is served—excellent food—together with iced water. My copious lunch, which includes water, rolls and butter, and a wholesome helping of apple pie, comes to something like nine shillings. As we go out I look carefully round at the well-dressed men who are lunching. There is not a face that might not be seen in Lombard Street. That is the strange part about this foreign country. We enter the Woolworth Building. Why? Anyhow, we enter the Woolworth Building. I am a rubberneck. A pale, subdued woman of thirty-five, who looks hardly adventurous enough to serve in a London teashop, whizzes us at terrific speed up toward the roof. She ought to be murmuring "Glass of milk and a buttered scone." Instead she crashes us up to the fortieth floor. There a small man squeezes out of the packed elevator to go to his office. Imagine having an office on the fortieth floor! One wonders what he sells there. Balloons, one hopes.

So to the top. Nearly 800 feet of it. New York below, with all its puzzling arrangement of land and water, Ellis Island, sunshine, mist and smoke. It is appalling to have buildings like this. Also the Woolworth Building inside is something of a cheap show, with picture-postcards and souvenirs. I prefer it in all its majesty from the harbor.

So the bewildering day wears on. At night another friend, who knew New York in the long ago, when there were no skyscrapers, takes me walking, and describes the immense changes that a few years have made. We mingle in the electric glare and the seething crowds on Broadway, and elsewhere, nearer the Fifth Avenue region, look upon the fantastic spectacle of immense buildings lighted tier after tier to the stars. There is nothing like this elsewhere in the world. Fairlyland, magnified immensely, with anything that may be garish or brutal by day softened by night. It is overwhelming, even stunning. In fact, I am a little bit frightened. Men were not made to live like this.

And near the Public Library, mercifully modest in height and showing that dignity does not depend alone on soaring stories, we come on a strange thing. A man is on the pavement with a large telescope, pointing at an almost full moon. I have ten cents' worth of moon, and feel that I am meeting an old friend in a strange land. I point out a star lying near the moon.

"That's Jupiter," says the astronomer. "She is now more than 350,000,000 miles away. She has four moons, just like our earth has one moon. Three to the right. One to the left."

Three hundred and fifty million miles! It seems a long way, even in a country of such great distances.

He hits on another eyepiece. There, large as a plum, is Jupiter. To right and left are the four moons. It is astounding. I have never seen Jupiter's moons before. They do me good. They "check up" New York. They assure me that there really will come a limit to what man can do with brick and stone, and that even if in a year or so forty stories become sixty or eighty, it will be all the same to Jupiter. It is a comforting train of thought. So much so that I gratefully hand the astronomer some more money.

"You're splashing it," says my guide and friend, as we walk away. "Half a dollar's too much even for New York."

But I explain to him that I am quite content, knowing that however long I stay in the United States I have just made the cheapest purchase I shall ever find there.

Notes From Berlin

BERLIN

RECENTLY there was a week of exhibitions here, all of them of considerable importance for Berlin and some even for beyond its boundaries. The "Ila" (international aviation exhibition), of course, took precedence of all the others. It was interesting not only to aviators and constructors, but exercised an extraordinary fascination for the general public. On several days the number of visitors exceeded 60,000, and it was found necessary to close the entrances. Anybody who was out to make a study of his fellow beings could find a fund of amusement in observing the schoolboys, who were admitted in great numbers for a nominal fee, with the laudable desire of cultivating interest in aviation in the rising generation.

The youngsters, clad in "shorts" and blazers, sometimes in an imitation of a "wind jacket," as befitting the occasion, were very excited and important, each believing himself an expert in this field of endeavor. They touched everything they could reach, tapping bodies and wings with critical mien, and exchanging opinions as to stability and prospects. But before the battered Bremen which bore Korch, Fitzmaurice and von Huenefeldt over the Atlantic their voices were hushed. Among the many foreign visitors to the "Ila" were Colonel Fitzmaurice, Sir Sefton Brackner and Clarence Chamberlin.

Organized by the German Hausfrauen-Verein, the large and influential association of housewives and business women, a comprehensive exhibition drew all Berlin women and quite a number of men to the large halls of the Zoological Gardens. It was arranged in three sections: the Home, the Career, and Culture, by Frau Charlotte Muessem, one of Berlin's most active workers in the cause of woman's welfare. Statistics show that in Germany to every three men are four women and of these women 36 per cent are engaged in earning their own livelihood. For women who have to manage their household as well as to attend to business everything should be done, it is contended, to assist them and reduce their domestic responsibilities to a minimum.

Models of homes, bed-sitting rooms and kitchens were displayed that seem to make housekeeping a pleasant game, so easy of management they appear, and there is a "store of the future" that in its labor-saving properties makes the German housewife's mouth water: fish and poultry ready for the oven or the pot, vegetables and fruit that need no preparation, cake needing only baking and every description of canned food. All this is, of course, nothing new in the United States and England, but German women are not so far ahead as their Anglo-Saxon sisters in this respect, although in many improvements in house utensils and in facilities for washing and mending they are progressive. Beautiful specimens of arts and crafts by German girl students added to the attractions of this comprehensive exhibition. "Buy German wares and so lessen unemployment," was one of the slogans.

A long-cherished scheme of Dr. Jesner, director-in-chief of the Berlin State theaters, is about to be realized. A "studio" in connection with these theaters will be founded on the following lines: Independently from the ordinary weekly repertory, plays of problematical nature are to be produced at Sunday matinees. Should such pieces prove their worth they will find a place in the regular repertory. The first play to be performed (in December) at the "studio" is Heinrich Christian Meyer's drama, "The Case of Amrie Delmar," which will be followed some weeks later by Iwan Heibut's "Bürgertragödie." Whether the "studio" plays will be acted by artists of the State Theater is not yet decided.